

# **Preliminary Environmental Characterization Report**

**Current Conditions at Fiterman Hall  
30 West Broadway  
New York, New York**

**Prepared for:**  
Dormitory Authority of the State of New York  
&  
The City University of New York

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## **Introduction**

Airtek Environmental Corp. (Airtek) has been retained by Pei Cobb Freed & Partners, Architects, LLP (PCFP) on behalf of the Dormitory Authority of the State of New York (DASNY) and The City University of New York (CUNY) to conduct an environmental characterization study of the Fiterman Hall Building located at 30 West Broadway, New York, NY (Fiterman Hall, the Building, or 30 West Broadway). The Building is a 15-story, 370,000 (SF) classroom building owned by CUNY and operated prior to 9/11 by CUNY/Borough of Manhattan Community College. For purposes of the environmental decontamination and deconstruction of Fiterman Hall, DASNY is acting as and for the Building owner. The Building was physically damaged by the collapse of the 7 World Trade Center building, and impacted by the well-documented environmental effects of the entire World Trade Center (WTC) collapse of September 11, 2001.

Based upon the extent of the façade damage, its location on the south side of the Building facing the WTC site, and the documented incursion of WTC dust and debris, DASNY/CUNY and the Regulatory community have jointly concluded that the Building is contaminated and requires extensive environmental remediation prior to demolition. To ensure that this work is conducted in a manner that maximizes the protection of human health and the environment, project planning is based on the conservative assumption that the entire structure is contaminated.

This investigation was focused on environmental conditions within Fiterman Hall as they relate to the planning and specification of the environmental remediation and subsequent deconstruction of the structure (the Project). The investigation included review of data and observations recorded by previous environmental investigations conducted both prior and subsequent to the WTC collapse. The investigation also included focused site environmental investigations and testing designed to provide specific information germane to the remediation and deconstruction of Fiterman Hall.

### **1.0 Executive Summary:**

The decision to approach the project on the assumption that the entire Building is contaminated obviated the

need to expend time and resources delineating contaminated versus uncontaminated materials and spaces. The investigation therefore focuses on the nature of the Building materials, other materials and objects that remain within the Building and the structure and lay-out of the Building as it relates to the remediation and deconstruction process.

This investigation concludes that an environmental remediation involving the removal of all non-structural components remaining within the building, followed by a thorough cleaning and encapsulation of all remaining structural components is the safest and most efficient means to prepare the building for deconstruction.

In brief, other conclusions of note include the following:

**Asbestos Monitoring:** Testing conducted as required by the New York State Department of Labor under Industrial Code Rule 56 (56-17), indicates that the installation and operation of the site access facility at the northwest corner of the building has not resulted in the release of asbestos to the outside of the building. All sample results are within acceptable limits.

**Personal Exposure Testing:** The results of personal exposure sampling conducted to date indicate that the personal protective equipment specified in the original site Health & Safety Plan is sufficient personal protection for the contaminants tested for during the activities conducted to date.

**Exterior Façade:** Cleaning of the exterior façade of the Building conducted by the NYC DEP as a part of its WTC response was effective, and re-cleaning of the majority of the façade is not necessary or advisable. Cleaning of the lower two floors where urban background road dust has accumulated will be conducted, and focused cleaning of limited façade components that exhibit residual dust will be conducted as a part of the remediation/deconstruction Project. A more detailed discussion of façade conditions and their impact on the Project can be found in a companion document, *Façade Characterization Report, December 23, 2005*.

**Asbestos-Containing Building Materials:** While extensive abatement of asbestos-containing

building materials (ACBMs) was conducted as a part of the prior renovations to the facility, some ACBMs remain that will be abated during the environmental Remediation Phase of the project. Non-friable ACBM spandrel flashing within the façade will be abated during the Deconstruction Phase of the Project.

**Lead-Based Paint:** A survey for lead-based paint (LBP) conducted throughout the facility has determined that the Building is essentially lead-paint free. Only very limited lead-painted materials remain in the facility. This includes testing of structural steel where it is accessible for testing.

**Contaminants of Potential Concern:** Visual inspection and limited testing for the residual impact of WTC Contaminants of Potential Concern (CoPCs) was conducted within the Building. This testing was intended to be illustrative of conditions, and useful in verification of some aspects of the HASP for the site. The Building is assumed to be contaminated based on the nature of the WTC impact, and the results of prior investigations.

**Waste Characterization:** Preliminary testing of WTC dust within the building will be conducted to identify areas of the building where concentrations of RCRA – regulated contaminants within WTC dust may exist. These preliminary results will be used to guide decisions on testing and management of building contents and components impacted by the dust. Waste characterization for purposes of informing decisions on waste handling, packaging, transport and disposal is to be addressed in a companion document, *Regulatory Submittal Part IV - Waste Sampling and Management Plan* (WSMP), to be submitted with the regulatory submittals for the project. Waste characterization is an aspect of the project to be very closely monitored by the regulatory community, and is work that will be subject to a Quality Assurance Project Plan (QAPP). As such, it is recommended that the testing supporting this aspect of the project be conducted after review and approval of the WSMP and its associated QAPP by the Regulators.

**Microbiological Contamination:** Visual inspections for mold impact were conducted, and are ongoing as conditions change within the building over time. In general, mold impact is limited to the upper floors, and is most prevalent on the south side of the building where the façade was destroyed.

While limited visible mold does exist, it will have little or no impact on the planning and execution of the environmental remediation and deconstruction of the building.

## **2.0 Previous Environmental Investigations**

### **2.1 Pre-9/11 Asbestos and Lead Reports**

In support of the gut renovation that was conducted and nearly completed at Fiterman Hall from 2000 through September 11, 2001, limited ACBM & LBP surveys were conducted. These surveys identified materials that were then subject to abatement during the gut renovation. For the purpose of this study, records of the survey reports and records of the abatement projects conducted in support of the renovations were reviewed. The primary focus of the pre 9/11 abatement projects was ACBM piping insulation on thermal systems. Extensive abatement of these materials was conducted.

### **2.2 Post 9/11 Environmental Investigations**

Following 9/11/01, several consultants were engaged to conduct testing to gauge the environmental impact to Fiterman Hall. Sampling conducted by Applied Technology Services (“ATS”), Howard Bader Consultants (“Bader”), and Tiffany-Bader Environmental, Inc. (“TBE”) (“the Environmental Consultants”), confirmed the presence of a wide array of contaminants throughout the Building. The contaminants detected included asbestos, lead, dioxin, heavy metals, mercury, fungi, bacteria, and particulate dust. Other contaminants known to be associated with the WTC dust that can be presumed to exist in areas of Fiterman Hall include polycyclic aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs). The results of these efforts support the conclusion that the entire structure should be assumed to be contaminated.

In 2002, Airtek was engaged to gather and format the environmental data generated and to review the type and extent of contamination reported by the Environmental Consultants.

Airtek also conducted representative confirmatory sampling throughout Fiterman Hall for comparison to data from other WTC sites, and to published contaminant reference points. As an additional point of reference, Airtek reviewed WTC-specific human health risk assessment findings for the levels and types of contamination detected in the Building. The assessments determined that the potential impact of this contamination on healthy occupants and sensitive sub-populations including, but not limited to, pregnant women, children, the elderly, and immuno-compromised individuals was significant. The primary drivers of risk in the reviewed data were dioxin and lead. These are two of the contaminants of potential concern detected at elevated levels at Fiterman Hall.

**Figure 1**  
**CoPC Data from Previous Investigations**  
**At 30 West Broadway-Fiterman Hall**

<b>Asbestos</b>	<b>Micro-vacuum</b>	<b>to 1,677,624 s/cm2</b>
<b>Mercury</b>	<b>Wipe Samples</b>	<b>0.68 to 27 ng/sf</b>
<b>Dioxin/Furans</b>	<b>Wipe Samples</b>	<b>0.65 to 64.69 ng/m2</b>
<b>PCBs</b>	<b>Wipe samples</b>	<b>23 samples - None Detected</b>
<b>Antimony</b>	<b>Wipe samples</b>	<b>&lt;0.9 to 37 ug/sf</b>
<b>Arsenic</b>	<b>Wipe samples</b>	<b>&lt;0.45 to 22 ug/sf</b>
<b>Beryllium</b>	<b>Wipe samples</b>	<b>0.038 to 0.14 ug/sf</b>
<b>Cadmium</b>	<b>Wipe samples</b>	<b>&lt;0.19 to 14.7 ug/sf</b>
<b>Chromium</b>	<b>Wipe samples</b>	<b>&lt;0.45 to 140 ug/sf</b>
<b>Copper</b>	<b>Wipe samples</b>	<b>&lt;1.0 to 1,630 ug/sf</b>
<b>Iron</b>	<b>Wipe samples</b>	<b>&lt;10 to 132,000 ug/sf</b>
<b>Lead</b>	<b>Wipe samples</b>	<b>&lt;1.4 to 1226 ug/sf</b>
<b>Manganese</b>	<b>Wipe samples</b>	<b>0.20 to 1,140 ug/sf</b>
<b>Nickel</b>	<b>Wipe samples</b>	<b>&lt;0.6 to 132 ug/sf</b>
<b>Zinc</b>	<b>Wipe samples</b>	<b>&lt;3.3 to 15,900 ug/sf</b>
<b>Cadmium</b>	<b>Bulk Samples</b>	<b>1.45 to 30.3 mg/kg</b>
<b>Chromium</b>	<b>Bulk Samples</b>	<b>11.5 to 271 mg/kg</b>
<b>Copper</b>	<b>Bulk Samples</b>	<b>198 to 838 mg/kg</b>
<b>Iron</b>	<b>Bulk Samples</b>	<b>7,150 to 27,800 mg/kg</b>
<b>Lead</b>	<b>Bulk Samples</b>	<b>68.7 to 744 mg/kg</b>
<b>Manganese</b>	<b>Bulk Samples</b>	<b>0.20 to 1,140 mg/kg</b>
<b>Nickel</b>	<b>Bulk Samples</b>	<b>8.07 to 101 mg/kg</b>
<b>Zinc</b>	<b>Bulk Samples</b>	<b>486 to 13,400 mg/kg</b>

### **3.0 Purpose and Objectives of Current Investigation**

DASNY/CUNY is committed to ensuring that appropriate safeguards are put in place at 30 West Broadway during the deconstruction process to protect workers and to prevent release of the contaminants that may be present into the surrounding community and the environment. The Characterization Study was conducted as the first step in the remediation and deconstruction process for this building.

An Asbestos Building Inspection and Material Survey was required to facilitate the proposed deconstruction of the Building and to comply with: (1) the New York City Department of Buildings (NYC DOB) permitting requirements, and (2) the pre-demolition requirements promulgated by the New York City Department of Environmental Protection (NYCDEP), Section I-53; the New York State Department of Labor (NYSDOL) Industrial Code, Rule 56: Asbestos Regulation, Title 15, Sections 56-1.4 and 56-1.9(e); and the U.S. EPA National Emissions Standards for Hazardous Air Pollutants (NESHAP) for asbestos-containing materials (ACM).

In addition to the asbestos survey, the specific objectives of this Characterization Study include:

- Conducting monitoring of the impact to the outside environment of entry to the building (per NYS DOL approved variance);
- Gathering the necessary exposure data related to the types and levels of air contaminants present prior to building cleaning and deconstruction that may be encountered by workers carrying out activities at the site during deconstruction and Providing data that may be applied to choosing the appropriate levels of worker protection at the site;
- Determining the physical and environmental condition of the façade and its components, as the façade is an integral part of the engineering control systems that will be used to safeguard the surrounding community and the environment;
- Providing pre-demolition background data for the site and surrounding environment;



- Providing site-specific reference data to aid in determining what air contaminant measurements will be necessary in order to verify control of offsite emissions and safe working conditions during the deconstruction project;
- Providing data related to waste characterization efforts.

The study findings will assist in determining what measures and protocols may be required in support of the Fiterman Building cleaning and deconstruction plan. In particular, the results of the Study are intended to provide reference information allowing for informed decisions to be made by the project team regarding appropriate cleaning and deconstruction methods. These decisions include the development and implementation of engineering controls to contain the work zone (i.e., to ensure no exposure to the surrounding community during the cleaning and deconstruction) and appropriate methods for the disposal or recycling of materials generated by the cleaning and deconstruction activities. Using the available characterization results, DASNY/CUNY its consultants, and the selected deconstruction contractor can develop and implement appropriate deconstruction protocols and safety precautions for the cleaning and deconstruction process to ensure the health and safety of workers and the residents of the surrounding community.

## **4.0 Investigation Procedures and Analytical Methodologies**

### **4.1 Site Access Monitoring**

Daily area air monitoring for asbestos was conducted in accordance with ICR-56-17 and the site-specific conditions of NYSDOL-approved Variance Petition, File No. 05-0919. The variance conditions required that all analyses be conducted by Transmission Electron Microscopy (TEM). Air samples were collected from each decontamination facility clean room, within 10 feet from the termination of each negative air exhaust air duct, within 10 feet from the entrance to each decontamination unit, and within 10 feet of the building envelope barrier. Daily air monitoring was consistent with ICR-56-17.3 requirements.

### **4.2 Personal Exposure Testing**

Personal exposure monitoring was conducted in strict accordance with published sampling and analytical methodologies. These included National Institute for Occupational Safety & Health (NIOSH) and Occupation Safety & Health Administration (OSHA) sampling protocols. Analytes included Asbestos and the Contaminants of Potential Concern (CoPCs), as defined by the U.S. EPA's COPC Committee. These include Silica, Polycyclic Aromatic Hydrocarbons (PAHs), Dioxin, Polychlorinated Biphenyls (PCBs), Heavy Metals (Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Manganese, Nickel, and Zinc), and Mercury.

To measure personnel exposure to airborne contaminants workplace air is sampled over an 8-hour period, or for the full work shift. Data from this sampling is calculated into an 8-hour time weighted average (TWA) for comparison to established worker exposure guidelines. An Airtek Industrial Hygienist observed and recorded general information about personnel work processes conducted during the sampling. Site workers were asked to voluntarily wear personal monitors to assess COPC exposure during site characterization field work.

### **4.3 Exterior Dust Investigation**

As further described in the companion document *Façade Characterization Report*, a close visual inspection was conducted of the building façade as a part of an assessment of the need for exterior cleaning of the façade. In addition to visual inspection, wipe sampling of façade surfaces was conducted to assess residual heavy metals surface concentrations as an illustration of overall conditions.

Airtek environmental technicians collected heavy metals wipe samples from representative exterior surfaces at the 14<sup>th</sup> Floor Setback, the 5<sup>th</sup> floor setback, and at ground level. Samples were collected in accordance with the NIOSH 9100 dust wipe protocol for lead sampling. Wipe sampling was carried out in a carefully controlled manner in order to ensure the validity of the results. The samples were taken with commercially available "ghost-wipes." The area sampled was a precisely measured surface area. Careful precautions were taken in order to avoid cross contamination of samples and to keep track of sampling locations. The measurements and locations of the samples collected were

recorded on a chain-of-custody form and submitted to a laboratory accredited by NYS DOH NELAC and the American Industrial Hygiene Association (“AIHA”) to perform analysis for metals in dust wipes according to the NIOSH 7300 (modified) analysis methodology.

#### **4.4 Asbestos Containing Materials (ACBM) Survey**

The asbestos inspection and bulk sampling procedures implemented were based on the guidelines established by the U.S. EPA in the *Guidance for Controlling Asbestos Containing Materials in Buildings*, Office of Pesticides and Toxic Substances, DOC #560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA). Field information was organized according to the AHERA concept of Homogeneous Area (HA). A HA is defined as a suspect material of similar age, appearance, function, and texture. Each material was grouped together as a specific HA, sampled, and then assessed for condition.

Every accessible area and space of the Building, including the Roof, was physically inspected to determine the presence or absence of suspect ACM. Representative interstitial spaces were accessed to confirm the information contained in the reports of previous asbestos abatement projects.

#### **4.5 Lead-Based Paint Survey**

Where inspection revealed the presence of painted older building components, a portable battery powered X-Ray Fluorescence (XRF) scanner was used to read and analyze lead concentration of dried paint on surfaces. Readings equal to or in excess of 1.0 mg/cc if lead based on XRF analysis would be reported as lead-based paint. When the reading classification obtained from a surface has been determined to be within the inconclusive range, confirmation testing would be carried out by collecting a sample for laboratory analysis.

#### **4.6 WTC COPC Impact Characterization Testing**

##### **4.6.1 Surface Sampling**

Surface wipe sampling was conducted on a variety of surfaces regardless of dust loading.

This sampling was intended to provide both comparative data to the previous sampling conducted at the site, and to provide data related to potential exposure from direct contact with building materials. Wipe sampling methods were employed to collect PCBs, PAHs, and metals (including mercury). Microvacuum sampling for asbestos was conducted. Sample locations were selected by dividing each floor into quadrants (North, East, West & South) and then sampling one quadrant per floor in a spiral down the building (16-North, 15-East, 14 South, 13-West, etc.). This sampling provides illustrative data results for each quadrant of the building for both higher, middle, and lower floors without oversampling.

PCBs and PAHs were collected on sterile gauze pads treated with a 4:1 acetone/hexane mixture, while metals were collected on ghost wipes. Samples were placed in sealed bags/jars and kept cold during transport and submittal to the approved analytical laboratory.

#### **4.6.2 Mercury Vapor**

Direct reading samples for mercury vapor taken using a Lumex RA 915+ portable mercury analyzer. Tours of accessible spaces were conducted with this handheld instrument throughout the building. Sampling was performed on all floors of the building.

#### **4.6.3 Air Sampling**

Personal air monitoring was conducted to gather CoPC data related to the impact to ambient air of work activity in the building, as discussed in Section 4.2 above.

### **4.7 Waste Characterization**

Waste characterization testing of dust, building components and deconstruction debris categories is to be conducted upon review and approval of *Regulatory Submittal Part IV – Waste Sampling &*

*Management Plan*, and its associated QAPP document.

As a part of the environmental characterization effort, an inventory of building contents other than building construction components was conducted. Particular attention was paid to the following categories of potential waste:

**Universal Wastes:**

40 CFR Part 273 and 6 NYCRR Section 374.3 establishes requirements for managing wastes referred to as, “Universal Wastes.” These are materials that would be classified as hazardous wastes, but due to their universal use in commercial, industrial, and residential properties, have been so categorized to reduce the regulatory burden on generators of these wastes.

Universal wastes include the following waste types:

- (1) Batteries as described in 40 CFR section 273.2 and 6 NYCRR Section 374-3.1(b)
- (2) Pesticides as described in 40 CFR section 273.3 and 6 NYCRR Section 374-3.1(c)
- (3) Thermostats as described in 40 CFR section 273.4 and 6 NYCRR Section 374-3.1(d)
- (4) Lamps as described in 40 CFR section 273.5 and 6 NYCRR Section 374-3.1(e)

**Refrigerant-containing Equipment:**

Non-hazardous construction and demolition materials may contain regulated refrigerant including, but not limited to, possible refrigerant in the air conditioning and refrigeration systems. Potentially refrigerant-containing equipment will be catalogued and identified for special handling and refrigerant capture.

**Flammables/Caustics:**

An inventory of materials requiring special handling and/or expedited removal was generated by visible inspections of materials left within the building.

The inventory is included in Attachment VII.

#### **4.8 Visual Inspection for Mold**

Periodic visual inspections for microbiological growth have been conducted and are conducted periodically. Ongoing water incursion into the building has resulted in mold conditions that change over time.

### **5.0 Investigation Results**

#### **5.1 Site Access Monitoring**

Testing conducted as required by the New York State Department of Labor under Industrial Code Rule 56 (56-17), indicates that the installation and operation of the site access facility at the northwest corner of the building has not resulted in the release of asbestos to the outside of the building. Daily sampling for asbestos has been conducted, samples have been analyzed by TEM (AHERA), and all sample results are within acceptable limits (70s/mm<sup>2</sup>). A data summary is included Attachment I.

#### **5.2 Personal Exposure Testing**

The results of personal exposure sampling conducted to date indicate that the personal protective equipment specified in the original site Health & Safety Plan is sufficient personal protection for the contaminants tested for during the activities conducted to date:

Asbestos:	All results < OSHA PEL (0.1 f/cc)
Metals:	All results < OSHA PELs (Various – Attachment II)
Mercury Vapor:	All results < OSHA PEL (50ug/m <sup>3</sup> )
Respirable Dust:	All results < OSHA PEL (5mg/m <sup>3</sup> )
Silica:	All results below OSHA PEL (10mg/m <sup>3</sup> /%quartz+2)

#### **5.3 Exterior Dust Investigation**

Cleaning of the exterior façade of the Building conducted by the NYC DEP as a part of its WTC response was effective, and re-cleaning of the majority of the façade is not necessary or advisable. Cleaning of the lower two floors where urban background road dust has accumulated

will be conducted, and focused cleaning of limited façade components that exhibit residual dust will be conducted as a part of the remediation/deconstruction Project. A data summary is included in Attachment III. A more detailed discussion of façade conditions and their impact on the Project can be found in a companion document, *Façade Characterization Report, December 23, 2005*.

#### **5.4 Asbestos Containing Materials Survey**

While extensive abatement of asbestos-containing building materials (ACBMs) was conducted as a part of the prior renovations to the facility, some ACBMs remain that will be abated as a part of the Project. These materials include:

1. VAT Flooring
2. Vapor Barrier on interior surface of façade block
3. Window Caulk on Stair Bulkhead Windows (Roof)
4. Spandrel Beam Flashing

As detailed in the companion document Regulatory Submittal Part I – Work plan, these materials will be abated during the Remediation Phase of the Project. The exception to this is the spandrel flashing, which must be abated as the façade is deconstructed, and therefore must be addressed during the Deconstruction Phase of the Project. The locations and quantities of these materials are detailed in Attachment IV.

#### **5.5 Lead-Based Paint Survey**

A survey for lead-based paint (LBP) conducted throughout the facility has determined that only very limited lead-painted materials remain in the facility. This includes testing of structural steel where it is accessible for testing. Details of this testing are included in Attachment V.

#### **5.6 WTC COPC Impact Characterization Testing**

Visual inspection and limited testing for the residual impact of WTC Contaminants of Potential Concern (CoPCs) was conducted within the Building. This testing was intended to be illustrative of conditions, and useful in verification of some aspects of the HASP for the site. A data summary of results of surface wipe sampling conducted for WTC CoPCs is included in Attachment VI.

## **5.7 Waste Characterization Testing**

Preliminary testing of WTC dust within the building will be conducted to identify areas of the building where concentrations of RCRA – regulated contaminants within WTC dust may exist. These preliminary results will be used to guide decisions on testing and management of building contents and components impacted by the dust. Waste characterization for purposes of informing decisions on waste handling, packaging, transport and disposal is to be addressed in a companion document, *Regulatory Submittal Part IV - Waste Sampling and Management Plan (WSMP)*, to be submitted with the regulatory submittals for the project. Waste characterization is an aspect of the project to be very closely monitored by the regulatory community, and is work that will be subject to a Quality Assurance Project Plan (QAPP). As such, it is recommended that the testing supporting this aspect of the project be conducted after review and approval of the WSMP and its associated QAPP by the Regulators.

## **5.8 Visual Inspection for Mold**

Visual inspections for mold impact were conducted, and are ongoing as conditions change within the building over time. In general, mold impact is limited to the upper floors, and is most prevalent on the south side of the building where the façade was destroyed. While limited visible mold does exist, it will have little or no impact on the planning and execution of the environmental remediation and deconstruction of the building.

## **6.0 Standards of Care**

Airtek's work was performed in a professional manner. Our objective was to perform our work with care, exercising the customary skills and competence of consulting professionals. Conclusions presented in this report are professional opinions based upon visual observations of the site and laboratory results provided for review. These conclusions reflect only the results obtained and analyzed from specific sample locations. The opinions and recommendations presented herein apply to site conditions existing at the time of our observations. Airtek cannot act as insurers, and no expressed or implied representation or warrant is included or intended in our report except that our work was performed within the limits prescribed by our clients, and



with the customary thoroughness and competence of our profession at the time and place the services were rendered.

## **Attachment I      Data Summary – Area Air Sampling for Asbestos (TEM)**

Area Air Samples - Asbestos Fiber Analysis  
NYS DOL ICR 56 Compliance Sampling

NIOSH DOL/TCR-86 Compliance Sampling					
Date	Method	Number of samples	Samples-detection limit	Samples $\geq$ %g(sq mm) for PLM	PCM Results (Fibers/cc)
8/9/2003	TEM by AHERA	5	0	0	
8/10/2003	TEM by AHERA	5		0	
8/11/2003	TEM by AHERA	5		0	
8/12/2003	TEM by AHERA	5	1	0	
8/13/2003	TEM by AHERA	5	0	0	
8/14/2003	TEM by AHERA	5	0	0	
8/15/2003	TEM by AHERA	5	0	0	
8/16/2003	TEM by AHERA	5	0	0	
8/17/2003	TEM by AHERA	5	0	0	
8/18/2003	TEM by AHERA	5	0	0	
8/19/2003	PCM by NIOSH 7400	5	1		#1=0.004
8/20/2003	PCM by NIOSH 7400	5	2		#03=0.007, #04=0.003
8/21/2003	PCM by NIOSH 7400	5	1		#04=0.004
8/22/2003	TEM by AHERA	5	0	0	
8/23/2003	TEM by AHERA	5	0	0	
8/24/2003	TEM by AHERA	5	0	0	
8/25/2003	TEM by AHERA	5	0	0	
8/26/2003	TEM by AHERA	5	0	0	
8/27/2003	TEM by AHERA	5	0	0	
8/28/2003	TEM by AHERA	5	0	0	
8/29/2003	TEM by AHERA	5	0	0	
8/30/2003	TEM by AHERA	5	0	0	
8/31/2003	TEM by AHERA	5	0	0	
9/1/2003	TEM by AHERA	5	0	0	
9/2/2003	TEM by AHERA	5	0	0	
9/3/2003	TEM by AHERA	5	0	0	
9/4/2003	TEM by AHERA	5	0	0	
9/5/2003	TEM by AHERA	5	0	0	
9/6/2003	TEM by AHERA	5	0	0	
9/7/2003	TEM by AHERA	5	0	0	
9/8/2003	TEM by AHERA	5	0	0	
9/9/2003	TEM by AHERA	5	0	0	
9/10/2003	TEM by AHERA	5	0	0	
9/11/2003	TEM by AHERA	5	0	0	
9/12/2003	TEM by AHERA	9	0	0	
9/13/2003	TEM by AHERA	9	0	0	
9/14/2003	TEM by AHERA	9	0	0	
9/15/2003	TEM by AHERA	9	1	0	
9/16/2003	TEM by AHERA	9	0	0	
9/17/2003	TEM by AHERA	9	0	0	
9/18/2003	TEM by AHERA	9	0	0	
9/19/2003	TEM by AHERA	9	0	0	
9/20/2003	TEM by AHERA	9	0	0	

Date	Method	Number of samples	Samples-detection limit	Samples $\geq 70(S/\text{sq mm})$ for PLM	PCM Results (Fibers/cc)
9/21/2005	TEM by AHERA	9	0	0	
9/22/2005	TEM by AHERA	9		0	
9/23/2005	TEM by AHERA	9		0	
9/24/2005	TEM by AHERA	9	0	0	
9/25/2005	TEM by AHERA	9	0	0	
9/26/2005	TEM by AHERA	9	0	0	
9/27/2005	TEM by AHERA	9	0	0	
9/28/2005	TEM by AHERA	9	0	0	
9/29/2005	TEM by AHERA	9	0	0	
9/30/2005	TEM by AHERA	9	0	0	
10/1/2005	TEM by AHERA	9	0	0	
10/2/2005	TEM by AHERA	9	0	0	
10/3/2005	TEM by AHERA	9	0	0	
10/4/2005	TEM by AHERA	9	0	0	
10/5/2005	TEM by AHERA	9	0	0	
10/6/2005	TEM by AHERA	9	0	0	
10/7/2005	TEM by AHERA	9	0	0	
10/8/2005	TEM by AHERA	9	0	0	
10/9/2005	TEM by AHERA	9	0	0	
10/10/2005	TEM by AHERA	9	0	0	
10/11/2005	TEM by AHERA	9	0	0	
10/12/2005	TEM by AHERA	9	0	0	
10/13/2005	TEM by AHERA	9	0	0	
10/14/2005	TEM by AHERA	9	0	0	
10/15/2005	TEM by AHERA	9	0	0	
10/16/2005	TEM by AHERA	9	0	0	
10/17/2005	TEM by AHERA	9	0	0	
10/18/2005	TEM by AHERA	9	1	0	
10/19/2005	TEM by AHERA	9	0	0	
10/20/2005	TEM by AHERA	9	0	0	
10/21/2005	TEM by AHERA	9	0	0	
10/22/2005	TEM by AHERA	9	0	0	
10/23/2005	TEM by AHERA	9	0	0	
10/24/2005	TEM by AHERA	9	0	0	
10/25/2005	TEM by AHERA	9	0	0	
10/26/2005	TEM by AHERA	9	0	0	
10/27/2005	TEM by AHERA	9	0	0	
10/28/2005	TEM by AHERA	9	0	0	
10/29/2005	TEM by AHERA	9	0	0	
10/30/2005	TEM by AHERA	9	0	0	
10/31/2005	TEM by AHERA	9	0	0	
11/1/2005	TEM by AHERA	9	0	0	
11/2/2005	TEM by AHERA	9	0	0	
11/3/2005	TEM by AHERA	9	0	0	
11/4/2005	TEM by AHERA	9	0	0	
11/5/2005	TEM by AHERA	9	0	0	
11/6/2005	TEM by AHERA	9	0	0	
11/7/2005	TEM by AHERA	9	0	0	
11/8/2005	TEM by AHERA	9	0	0	
11/9/2005	TEM by AHERA	9	0	0	
11/10/2005	TEM by AHERA	9	0	0	
11/11/2005	TEM by AHERA	9	0	0	

Area Air Sampling  
Per NYS ICR #56

Fiterman Hall  
Characterization Phase

Date	Method	Number of samples	Samples-detection limit	Samples $\geq 70$ (5/sq mm) for PLM	PCM Results (others cc)
11/12/2005	TEM by AHERA	9	0	0	
11/13/2005	TEM by AHERA	9	0	0	
11/14/2005	TEM by AHERA	9	0	0	
11/15/2005	TEM by AHERA	9	0	0	
11/16/2005	TEM by AHERA	7	0	0	
11/17/2005	TEM by AHERA	9	0	0	
11/18/2005	TEM by AHERA	9	0	0	
11/19/2005	TEM by AHERA	9	0	0	
11/20/2005	TEM by AHERA	9	0	0	
11/21/2005	TEM by AHERA	9	0	0	
11/22/2005	TEM by AHERA	9	0	0	
11/23/2005	TEM by AHERA	9	0	0	
11/24/2005	TEM by AHERA	9	0	0	
11/25/2005	TEM by AHERA	9	0	0	
11/26/2005	TEM by AHERA	9	0	0	
11/27/2005	TEM by AHERA	9	0	0	
11/28/2005	TEM by AHERA	9	0	0	
11/29/2005	TEM by AHERA	9	0	0	
11/30/2005	TEM by AHERA	9	0	0	
12/1/2005	TEM by AHERA	9	0	0	
12/2/2005	TEM by AHERA	9	0	0	
12/3/2005	TEM by AHERA	9	0	0	
12/4/2005	TEM by AHERA	9	0	0	
12/5/2005	TEM by AHERA	9	0	0	
12/6/2005	TEM by AHERA	9	0	0	
12/7/2005	TEM by AHERA	9	0	0	
12/8/2005	TEM by AHERA	9	0	0	
12/9/2005	TEM by AHERA	9	0	0	
12/10/2005	TEM by AHERA	9	0	0	
12/11/2005	TEM by AHERA	9	0	0	
12/12/2005	TEM by AHERA	9	0	0	
12/13/2005	TEM by AHERA	9	0	0	
12/14/2005	TEM by AHERA	9	0	0	
12/15/2005	TEM by AHERA	9	0	0	

Note: Detailed sample results and certificates of analysis can be found in the technical reports.

## **Attachment II     Data Summary – Personal Exposure Sampling**

**Fiterman Hall  
Personal Air Sampling  
Characterization Phase**

[illegible]

**Note:** Metals results are expressed in ug/sf  
ACM is expressed in f/cc.  
Dust and Silica are expressed in mg/m3

## **Attachment III    Data Summary – Façade Surface Sampling**



Metals Reference Levels (See Note 1)

Air Clearance Level		Surface Level	
Antimony	250 ug/m <sup>3</sup>	400 ug/sq. ft.	
Barium	250 ug/m <sup>3</sup>	400 ug/sq. ft.	
Beryllium	1 ug/m <sup>3</sup>	1.6 ug/sq. ft.	
Cadmium	5 ug/m <sup>3</sup>	8 ug/sq. ft.	
Chromium	250 ug/m <sup>3</sup>	400 ug/sq. ft.	
Copper	500 ug/m <sup>3</sup>	800 ug/sq. ft.	
Lead	25 ug/m <sup>3</sup>	40 ug/sq. ft.	
Manganese	100 ug/m <sup>3</sup>	160 ug/sq. ft.	
Mercury	12.5 ug/m <sup>3</sup>	20 ug/sq. ft.	
Nickel	50 ug/m <sup>3</sup>	80 ug/sq. ft.	
Zinc	1000 ug/m <sup>3</sup>	1600 ug/sq. ft.	

Metals Wipe Samples Taken on 9-29-05

All results measured in ug/sq.ft

Sample Location	Antimony	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Zinc
Exterior Ground Floor South West	66.4	47.7	N.D.	3.07	69.5	242	286	458	0.26	67.1	1500
Exterior Ground Floor Steel Beam	17.2	79.8	N.D.	1.58	20.1	58.8	69.7	132	0.08	18.2	37.4
Exterior Ground Floor West	8.15	29.7	N.D.	N.D.	1.1	64.9	44.3	123	N.D.	23.4	86.2
Facade Above 3th Floor West Side	0.8	78.7	N.D.	N.D.	3.77	8.36	8.18	3.1	N.D.	3.98	66.4
Facade Above 3th Floor South West Side	0.9	22.4	N.D.	N.D.	6.7	3.58	2.46	2.28	N.D.	2.78	63.4
Facade Above 5th Floor North West Side	1.3	72.9	N.D.	N.D.	2.28	17.6	1.8	4.73	N.D.	17.6	128
Facade Above 14th Floor North West Side	1.32	181	N.D.	N.D.	5.41	15.2	7.68	6.34	N.D.	12.4	92.5
Facade Above 14th Floor North West Side	N.D.	54.2	N.D.	N.D.	15.1	N.D.	4.13	N.D.	N.D.	8.05	156
Facade Above 14th Floor North West Side										1.08	N.D.

Note - 1 Air Clearance Levels are levels established by USEPA for work area clearance of WTC area abatement projects. Surface Levels were extrapolated by Airtek from HUD surface clearance guidelines for lead. Surface Levels are unpublished values used solely as an illustration of relative contaminant loading. No claim is made regarding relative health impact of contaminants at the listed surface levels. These levels are not intended to represent surface clearance levels for abatement.

**Fiterman Hall Exterior Wipe Sampling - Mercury, Lead, Polychlorinated Biphenyls (PCBs) and Polynuclear Aromatic Hydrocarbons (PAH)**

Wipe Samples Taken on 9-29-05  
All results measured in ug/sq.ft

Sample Location	Mercury	Method	Lead	Method	PCB	Method	PAH	Method
Exterior Ground Floor (S.W.)	ND	SW846-7471	92.9	SW846-3050/6010B	ND	SW846-8082	Note 2	EPA TO-13M
Exterior Ground Floor (S)	0.45	SW846-7471	11.1	SW846-3050/6010B	ND	SW846-8082	Note 2	EPA TO-13M
Exterior Ground Floor (W)	ND	SW846-7471	3.85	SW846-3050/6010B	ND	SW846-8082	Note 2	EPA TO-13M
Facade Above 5th Floor (W)	ND	SW846-7471	2.82	SW846-3050/6010B	ND	SW846-8082	Note 2	EPA TO-13M
Facade Above 5th Floor (S.W.)	ND	SW846-7471	10.7	SW846-3050/6010B	ND	SW846-8082	Note 2	EPA TO-13M
Facade Above 5th Floor (N.W.)	ND	SW846-7471	5.4	SW846-3050/6010B	ND	SW846-8082	Note 2	EPA TO-13M
Facade Above 14th Floor (S.W.)	ND	SW846-7471	71.6	SW846-3050/6010B	ND	SW846-8082	Note 2	EPA TO-13M
Facade Above 14th Floor (W)	ND	SW846-7471	136	SW846-3050/6010B	ND	SW846-8082	Note 2	EPA TO-13M
Facade Above 14th Floor (N.W.)	ND	SW846-7471	3.6	SW846-3050/6010B	ND	SW846-8082	Note 2	EPA TO-13M

Note 1: The exact location of each sample can be found in the Technical Report.

Note 2: Results Pending

## **Attachment IV    Data Summary – Asbestos Survey**

**TABLE 1**  
**SUMMARY OF INSPECTION RESULTS FOR ASBESTOS**  
**FITERMAN HALL 30 WEST BROADWAY, NEW YORK, NY 10007**

PROPOSED WORK	SUSPECT ACM THAT MAY BE AFFECTED	LAB RESULTS	APPROXIMATE ACM QUANTITY	NOTES/SPECIFIC LOCATION
	Elbow drain insulation of water tower	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Roof shingle of water tower	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Louvers of cooling tower	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Silicone caulk	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Glazing	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Gypsum wallboard	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Condenser gasket	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Radiator backing	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Hard wall plaster	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Pyrobar building block	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Deck patch on I-beam above women's bathroom	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Cove moulding with glue	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Wall joint compound	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Adhesive on duct-fiberglass	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Patch on duct insulation	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Trowelled on cement on duct	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Mastic/Glue paper	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	White speckled 9×9 VFT	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Grey speckled 9×9 VFT	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Blue speckled 9×9 VFT	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Pipe wrapping in cage	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Mudded joint fitting elbow	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	White 12×12 VFT/mastic	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Beige 12×12 VFT/mastic	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996

PROPOSED WORK	SUSPECT ACM THAT MAY BE AFFECTED	LAB RESULTS	APPROXIMATE ACM QUANTITY	NOTES/SPECIFIC LOCATION
	Acoustical ceiling tile 4x2 and 2x2	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Spray-on fireproofing	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Blue 12x12 VFT/mastic	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Light grey 12x12 VFT/mastic	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Tar materials on perimeter walls	ACM	28,755 SF	1 <sup>st</sup> -15 <sup>th</sup> Floor
	Spandrel flashing mastic	PACM	28,755 SF	1 <sup>st</sup> -15 <sup>th</sup> Floor
	Paper mat's on perim. walls	ACM	26,793 SF	2 <sup>nd</sup> -15 <sup>th</sup> Floor
	Fiber glass materials on perimeter walls	ACM Contaminated	26,793 SF	2 <sup>nd</sup> -15 <sup>th</sup> Floor
	Felt materials on perimeter walls	ACM Contaminated	1,962 SF	1 <sup>st</sup> Floor
	Flashing mastic on beams	ACM	25 SF	Loading dock entrance
	Black cloth materials on beams	ACM contaminated	25 SF	Loading dock entrance
	Roof materials	Non ACM	0 SF	Elevator machine room roof
	Flashing	Non ACM	0 SF	Elevator machine room roof
	Coping caulk	Non ACM	0 LF	Elevator machine room roof
	Cap flashing	Non ACM	0 SF	Elevator machine room roof
	Screed	Non ACM	0 SF	Elevator machine room roof
	Flashing	Non ACM	0 SF	Fan room roof
	Roof materials	Non ACM	0 SF	Stair roof
	Flashing	Non ACM	0 SF	Stair roof
	Side window caulking	ACM	8 LF	Stair roof
	Top window caulking	ACM	4 LF	Stair roof
	Window glazing	Non ACM	0 LF	Stair roof
	Screed	Non ACM	0 SF	Stair roof
	Roof materials	Non ACM	0 SF	New elevator mechanical room roof
	Flashing	Non ACM	0 SF	New elevator mechanical room roof
	Coping stone caulk	Non ACM	0 LF	New elevator mechanical room roof
	Side window caulking	ACM	8 LF	New elevator mechanical room roof
	Top window caulking	ACM	4 LF	New elevator mechanical room roof
	Screed	Non ACM	0 SF	New elevator mechanical room roof
	Roof materials	Non ACM	0 SF	15 <sup>th</sup> Floor roof
	Flashing	Non ACM	0 SF	15 <sup>th</sup> Floor roof
	Flashing	Non ACM	0 SF	14 <sup>th</sup> Floor roof
	Roof membrane	ACM	6,950 SF	14 <sup>th</sup> Floor roof
	Screed	Non ACM	0 SF	14 <sup>th</sup> Floor roof
	Roof membrane under screed	Non ACM	0 SF	14 <sup>th</sup> Floor roof
	Flashing	Non ACM	0 SF	5 <sup>th</sup> Floor roof
	Roof membrane	Non ACM	0 SF	5 <sup>th</sup> Floor roof
	Screed	Non ACM	0 SF	5 <sup>th</sup> Floor roof
	Brick wall mortar	Non ACM	0 SF	6 <sup>th</sup> & 15 <sup>th</sup> Floor

Environmental Characterization Report  
 Fiterman Hall, 30 West Broadway, New York, NY  
 Airtek Project #05-0867 – January 10, 2006

PROPOSED WORK	SUSPECT ACM THAT MAY BE AFFECTED	LAB RESULTS	APPROXIMATE ACM QUANTITY	NOTES/SPECIFIC LOCATION
	Expansion joint caulking	Non ACM	0 SF	6 <sup>th</sup> & 15 <sup>th</sup> Floor
	Marble mortar & sealant	Non ACM	0 SF	1 <sup>st</sup> Floor exterior of the building
	Marble caulking	Non ACM	0 SF	1 <sup>st</sup> Floor exterior of the building
	Window frame caulking	ACM	3,000 LF	1 <sup>st</sup> Floor exterior of the building
	Column caulking	Non ACM	0 SF	1 <sup>st</sup> Floor exterior of the building
	Column mortar	Non ACM	0 SF	1 <sup>st</sup> Floor exterior of the building
	Floor covering materials	Assumed ACMs	288,000 SF	Throughout the building
Total Approximate Quantity of ACM			408,058 SF 3,024 LF	

## **Attachment V      Data Summary – LBP Testing**



Environmental Characterization Report  
 Fiterman Hall, 30 West Broadway, New York, NY  
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Fiterman Hall  
 Airtek Project #05-0867

No	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
1	10/28/2005 8:23	56.66	SHUTTER_CAL									8.18	0
2	10/28/2005 8:25	21.33	Calibrate							Positive	1.04	1	0.1
3	10/28/2005 8:26	21.34	Calibrate							Positive	2.69	1.1	0.1
4	10/28/2005 9:14	3.13	Wall	BEIGE	Side 2	SHEETROCK	Staircase	1	Staircase A	Negative	1.58	0	0.02
5	10/28/2005 9:15	2.5	Wall	BEIGE	Side 3	PLASTER	Staircase	1	Staircase A	Negative	1	0	0.02
6	10/28/2005 9:16	4.38	Wall	BEIGE	Side 3	CINDER BLK	Staircase	1	Staircase A	Negative	2.31	0.09	0.06
7	10/28/2005 9:17	1.88	Stair Riser	BEIGE	Room Center	METAL	Staircase	1	Staircase A	Negative	1.32	0.06	0.07
8	10/28/2005 9:18	4.38	Stair Under	BEIGE	Room Center	METAL	Staircase	1	Staircase A	Negative	1.77	0.1	0.05
9	10/28/2005 9:18	1.25	Baluster	BEIGE	Room Center	METAL	Staircase	1	Staircase A	Negative	2.23	0.15	0.18
10	10/28/2005 9:18	1.89	Hand Rail	BEIGE	Room Center	METAL	Staircase	1	Staircase A	Negative	1	0	0.02
11	10/28/2005 9:22	4.39	Wall	BEIGE	Side 1	CINDER BLK	Staircase	2	Staircase A	Negative	1.9	0.03	0.03
12	10/28/2005 9:22	3.13	Wall	BEIGE	Side 2	CINDER BLK	Staircase	2	Staircase A	Negative	2.69	0.04	0.07
13	10/28/2005 9:23	4.38	Wall	BEIGE	Side 2	PLASTER	Staircase	2	Staircase A	Negative	1.89	0.03	0.03
14	10/28/2005 9:24	3.13	Wall	BEIGE	Side 3	CINDER BLK	Staircase	2	Staircase A	Negative	4.86	0.16	0.2
15	10/28/2005 9:26	1.88	EC	BEIGE	Side 1	METAL	Staircase	2	Staircase A	Negative	1	0	0.02
16	10/28/2005 9:27	4.38	FLOOR	BEIGE	ROOM CENTER	CONCRETE	Staircase	2	Staircase A	Negative	3.08	0.13	0.07
17	10/28/2005 9:29	5.65	Stair Tread	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative	3.09	0.17	0.07
18	10/28/2005 9:29	1.88	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative	1.95	0.14	0.13
19	10/28/2005 9:30	1.88	Stair Strin	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative	1.49	0.3	0.18
20	10/28/2005 9:31	1.88	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative	4.47	0.27	0.3
21	10/28/2005 9:32	1.88	Newel Post	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative	1.99	0.4	0.2
22	10/28/2005 9:32	15.67	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Null	3.23	1	0.1
23	10/28/2005 9:33	17.55	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Null	3.14	1	0.1
24	10/28/2005 9:33	6.29	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative	3.05	0.8	0.2
25	10/28/2005 9:34	3.76	Stair Under	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative	4.42	0.05	0.06
26	10/28/2005 9:37	1.88	StaircaseDb	LT-BLUE	Side 1	METAL	Staircase	5	Staircase A	Negative	1	0	0.02
27	10/28/2005 9:38	1.89	StaircaseDr	LT-BLUE	Side 1	METAL	Staircase	5	Staircase A	Negative	1	0	0.02
28	10/28/2005 9:39	3.13	WALL	BEIGE	Side 1	CINDERBLOCK	Staircase	5	Staircase A	Negative	4.43	0.11	0.15
29	10/28/2005 9:39	2.51	WALL	BEIGE	Side 2	CINDERBLOCK	Staircase	5	Staircase A	Negative	1	0	0.02
30	10/28/2005 9:39	4.38	WALL	BEIGE	Side 3	CINDERBLOCK	Staircase	5	Staircase A	Negative	6.85	0.26	0.17
31	10/28/2005 9:41	8.76	Ceiling	BEIGE	FLOOR	CONCRETE	Staircase	5	Staircase A	Negative	10	0.3	0.63
32	10/28/2005 9:42	4.38	FLOOR	BEIGE	FLOOR	CONCRETE	Staircase	5	Staircase A	Negative	1.76	0.1	0.05
33	10/28/2005 9:44	4.38	Stair Tread	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative	2.01	0.14	0.06
34	10/28/2005 9:45	1.89	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative	2.83	0.13	0.15
35	10/28/2005 9:45	1.89	Stair Strin	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative	2.42	0.04	0.08
36	10/28/2005 9:46	5.01	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative	1	0	0.02
37	10/28/2005 9:46	1.88	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative	2.72	0.08	0.12
38	10/28/2005 9:47	2.5	Newel Post	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative	1.12	0.02	0.03
39	10/28/2005 9:48	1.88	Stair Under	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative	3.44	0.16	0.2
40	10/28/2005 9:51	1.88	Staircase Db	ORANGE	Side 1	METAL	Staircase	8	Staircase A	Negative	1	0	0.02
41	10/28/2005 9:52	1.89	Staircase Dr	ORANGE	Side 1	METAL	Staircase	8	Staircase A	Negative	1	0	0.02
42	10/28/2005 9:53	4.38	WALL	BEIGE	Side 1	CINDERBLOCK	Staircase	8	Staircase A	Negative	4.7	0.06	0.07
43	10/28/2005 9:54	5.02	WALL	BEIGE	Side 2	CINDERBLOCK	Staircase	8	Staircase A	Negative	1	0	0.02
44	10/28/2005 9:54	4.41	WALL	BEIGE	Side 3	CINDERBLOCK	Staircase	8	Staircase A	Negative	1.46	0.03	0.02
45	10/28/2005 9:55	16.3	Ceiling	BEIGE	Floor	CONCRETE	Staircase	8	Staircase A	Negative	3.2	0.6	0.4
46	10/28/2005 9:56	4.39	Floor	BEIGE	Floor	CONCRETE	Staircase	8	Staircase A	Negative	2.35	0.1	0.06



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Fiterman Hall  
Airtek Project #05-0867

No	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
47	10/28/2005 9:57	1.88	Stair Riser	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	2.25	0.09	0.12
48	10/28/2005 9:58	4.39	Stair Tread	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	2.43	0.15	0.07
49	10/28/2005 9:58	1.88	Stair Strin	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	1	0	0.02
50	10/28/2005 9:59	2.5	Hand Rail	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	2.88	0.05	0.09
51	10/28/2005 9:59	2.5	Newel Post	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	2.07	0.02	0.04
52	10/28/2005 10:00	1.88	Baluster	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	1.51	0.06	0.07
53	10/28/2005 10:00	1.88	Stair Under	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	7.42	0.05	0.18
54	10/28/2005 10:01	1.88	Standpipe	RED	Side 3	METAL	Staircase	8	Staircase A	Negative	1	0.01	0.02
55	10/28/2005 10:02	1.88	Standpipe	RED	Side 3	METAL	Staircase	8	Staircase A	Negative	1	0	0.02
56	10/28/2005 10:02	1.88	Standpipe	RED	Side 3	METAL	Staircase	8	Staircase A	Negative	1	0	0.02
57	10/28/2005 10:07	5.01	POST	LT-YELLOW	Room Center	METAL	Loading Dock	8	LOAD. DOCK	Positive	1.27	1.3	0.1
58	10/28/2005 10:08	2.5	Column Cover	LT-YELLOW	Room Center	METAL	Loading Dock	8	LOAD. DOCK	Negative	1.06	0.4	0.2
59	10/28/2005 10:16	21.32	Calibrate							Positive	1.1	1.2	0.1
60	10/28/2005 10:17	20.71	Calibrate							Positive	2.76	1.2	0.1
61	10/28/2005 10:46	56.64	SHUTTER_CAL							Positive	1.07	1.1	0.1
62	10/28/2005 10:48	22.57	Calibrate							Positive	2.79	1.2	0.1
63	10/28/2005 10:49	21.38	Calibrate							Negative	3.15	0.28	0.11
64	10/28/2005 11:51	4.41	Stair Tread	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	2.2	0.09	0.11
65	10/28/2005 11:52	1.89	Stair Riser	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	1.34	0.01	0.03
66	10/28/2005 11:52	1.89	Stair Strin	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	1.8	0.08	0.09
67	10/28/2005 11:53	1.88	Baluster	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	3.26	0.06	0.1
68	10/28/2005 11:54	2.5	Newel Post	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	5.51	0.23	0.31
69	10/28/2005 11:55	1.88	Stair Under	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	2.52	0.04	0.07
70	10/28/2005 11:59	2.5	Hand Rail	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	2.42	0.06	0.04
71	10/28/2005 12:01	4.39	WALL	BEIGE	WALL 1	CINDERBLOCK	Staircase	11	Staircase A	Negative	1.85	0.05	0.03
72	10/28/2005 12:02	5.03	WALL	BEIGE	WALL 3	CINDERBLOCK	Staircase	11	Staircase A	Negative	2.86	0.09	0.06
73	10/28/2005 12:02	4.38	WALL	BEIGE	WALL 3	CINDERBLOCK	Staircase	11	Staircase A	Negative	2.21	0.14	0.06
74	10/28/2005 12:06	5.01	LANDING	BEIGE	ROOM CENTER	CONCRETE	Staircase	11	Staircase A	Negative	2.17	0.15	0.06
75	10/28/2005 12:09	4.38	Stair Tread	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	2.15	0.1	0.12
76	10/28/2005 12:10	1.88	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	1.16	0.01	0.02
77	10/28/2005 12:10	1.88	Stair Strin	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Null	2.1	0.04	0.17
78	10/28/2005 12:10	0.63	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	1.62	0.06	0.08
79	10/28/2005 12:10	1.88	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	2.96	0.04	0.09
80	10/28/2005 12:11	1.88	Newel Post	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	2.64	0.03	0.07
81	10/28/2005 12:11	1.88	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	1.49	0.01	0.04
82	10/28/2005 12:12	1.88	Stair Under	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	2.12	0.05	0.04
83	10/28/2005 12:13	4.4	WALL	BEIGE	Wall 1	CINDERBLOCK	Staircase	15	Staircase A	Negative	2.98	0.07	0.11
84	10/28/2005 12:14	2.5	WALL	BEIGE	Wall 2	CINDERBLOCK	Staircase	15	Staircase A	Negative	3.96	0.13	0.17
85	10/28/2005 12:14	2.5	WALL	BEIGE	Wall 3	CINDERBLOCK	Staircase	15	Staircase A	Negative	3.47	0.22	0.1
86	10/28/2005 12:15	5.02	LANDING	BEIGE	FLOOR	CONCRETE	Staircase	15	Staircase A	Positive	1.09	1.2	0.1
87	10/28/2005 12:28	20.7	Calibrate							Positive	2.81	1.3	0.1
88	10/28/2005 12:29	21.35	Calibrate							Positive	1.08	1.1	0.1
89	10/28/2005 12:32	21.34	Calibrate							Positive	2.78	1.2	0.1
90	10/28/2005 12:32	21.35	Calibrate							Positive	1.04	1	0.1
91	10/31/2005 9:05	56.68	SHUTTER_CAL							Positive	8.29	0	
92	10/31/2005 9:14	21.86	Calibrate							Positive	1.04	1	0.1

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No	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
93	10/31/2005 9:15	21.23	Calibrate							Positive	2.72	1.2	0.1
94	10/31/2005 9:23	1.88	Stair Riser	RED	Room Center	METAL	Staircase	1	Staircase CTR	Negative	1	0	0.02
95	10/31/2005 9:24	3.76	Stair Tread	RED	Room Center	METAL	Staircase	1	Staircase CTR	Negative	2.29	0.01	0.03
96	10/31/2005 9:25	2.49	Hand Rail	RED	Room Center	METAL	Staircase	1	Staircase CTR	Negative	1	0	0.02
97	10/31/2005 9:25	2.49	Stair Strin	RED	Room Center	METAL	Staircase	1	Staircase CTR	Negative	1	0	0.02
98	10/31/2005 9:27	1.89	Stair Riser	RED	Room Center	METAL	Staircase	3	Staircase CTR	Negative	1	0	0.02
99	10/31/2005 9:28	4.37	Stair Tread	RED	Room Center	METAL	Staircase	3	Staircase CTR	Negative	1.89	0	0.02
100	10/31/2005 9:28	1.87	Hand Rail	RED	Room Center	METAL	Staircase	3	Staircase CTR	Negative	1	0	0.02
101	10/31/2005 9:30	1.87	Stair Strin	RED	Room Center	METAL	Staircase	3	Staircase CTR	Negative	1	0	0.02
102	10/31/2005 9:33	1.87	Staircase Db	GRAY	Side 1	METAL	Staircase	1	Staircase B	Negative	3.48	0.07	0.13
103	10/31/2005 9:34	1.88	Staircase Dr.	BEIGE	Side 1	METAL	Staircase	1	Staircase B	Negative	4.1	0.05	0.12
104	10/31/2005 9:36	4.37	Wall	BEIGE	WALL 3	CONCRETE	Staircase	1	Staircase B	Negative	1.4	0.02	0.02
105	10/31/2005 9:36	3.74	Wall	BEIGE	WALL 3	CONCRETE	Staircase	1	Staircase B	Negative	1.91	0.01	0.02
106	10/31/2005 9:36	4.37	Wall	BEIGE	WALL 4	CONCRETE	Staircase	1	Staircase B	Negative	2.13	0.05	0.04
107	10/31/2005 9:38	2.49	Standpipe	ORANGE	WALL 3	METAL	Staircase	1	Staircase B	Negative	2.91	0.12	0.13
108	10/31/2005 9:39	1.88	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase B	Negative	3.69	0.4	0.3
109	10/31/2005 9:41	4.36	Stair Tread	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase B	Negative	2.48	0.01	0.02
110	10/31/2005 9:41	1.87	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase B	Null	5.24	0.4	0.4
111	10/31/2005 9:42	4.36	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase B	Negative	5.79	-0.48	1.12
112	10/31/2005 9:43	1.87	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase B	Negative	4.27	0.23	0.27
113	10/31/2005 9:45	1.87	Staircase Db	LT-YELLOW	Side 1	METAL	Staircase	3	Staircase B	Negative	1	0	0.02
114	10/31/2005 9:46	1.88	Staircase Dr	LT-YELLOW	Side 1	METAL	Staircase	3	Staircase B	Negative	1	0.01	0.03
115	10/31/2005 9:47	4.37	Wall	BEIGE	Side 1	PLASTER	Staircase	3	Staircase B	Negative	1	0	0.02
116	10/31/2005 9:47	6.23	Wall	BEIGE	Side 3	PLASTER	Staircase	3	Staircase B	Negative	1.62	0.02	0.02
117	10/31/2005 9:48	5	Wall	BEIGE	Side 4	PLASTER	Staircase	3	Staircase B	Negative	1.43	0.01	0.02
118	10/31/2005 9:49	2.49	Standpipe	ORANGE	Side 3	METAL	Staircase	3	Staircase B	Negative	2.29	0.06	0.08
119	10/31/2005 9:50	1.87	Stair Riser	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	1.78	0.12	0.12
120	10/31/2005 9:50	4.36	Stair Tread	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	2.61	0.25	0.09
121	10/31/2005 9:52	1.87	Hand Rail	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	1	0	0.02
122	10/31/2005 9:52	2.49	Stair Strin	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	2.06	0.03	0.05
123	10/31/2005 9:53	1.25	Newel Post	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	4.56	0.08	0.2
124	10/31/2005 9:53	1.88	Baluster	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	1.63	0.09	0.1
125	10/31/2005 9:53	1.87	Star Under	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	1.82	0.02	0.04
126	10/31/2005 9:56	3.12	WALL	BEIGE	WALL 1	CONCRETE	Staircase	6	Staircase B	Negative	1.95	0.01	0.03
127	10/31/2005 9:57	3.12	WALL	BEIGE	WALL 2	CONCRETE	Staircase	6	Staircase B	Negative	1.43	0.01	0.02
128	10/31/2005 9:57	4.36	WALL	BEIGE	WALL 3	CONCRETE	Staircase	6	Staircase B	Negative	5.33	0.02	0.05
129	10/31/2005 9:57	4.99	WALL	BEIGE	WALL 4	CONCRETE	Staircase	6	Staircase B	Negative	5.61	0.03	0.05
130	10/31/2005 9:58	2.5	Standpipe	ORANGE	WALL 4	METAL	Staircase	6	Staircase B	Negative	2.33	0.03	0.06
131	10/31/2005 10:01	2.5	Column	BEIGE	WALL 2	PLASTER	Staircase	6	Staircase B	Null	10	0.08	0.25
132	10/31/2005 10:01	1.87	VENT COVER	BEIGE	WALL 2	METAL	Staircase	6	Staircase B	Negative	1	0	0.02
133	10/31/2005 10:03	1.87	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	1.56	0.11	0.1
134	10/31/2005 10:03	6.24	Stair Tread	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Null	2.64	0.25	0.08
135	10/31/2005 10:04	3.12	Stair Strin	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	1.41	0.01	0.03
136	10/31/2005 10:05	1.87	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	1	0.03	0.04
137	10/31/2005 10:05	1.87	Newel Post	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	1.65	0.04	0.07
138	10/31/2005 10:06	1.87	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	3	0.2	0.25



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No	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
139	10/31/2005 10:06	1.87	Stair Under	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	1	0	0.02
140	10/31/2005 10:11	3.12	WALL	PURPLE	WALL 1	PLASTER	Staircase	12	Staircase B	Negative	2	0.01	0.03
141	10/31/2005 10:11	6.23	WALL	PURPLE	WALL 2	PLASTER	Staircase	12	Staircase B	Negative	1	0	0.02
142	10/31/2005 10:12	3.74	WALL	PURPLE	WALL 3	PLASTER	Staircase	12	Staircase B	Negative	7.84	0.04	0.08
143	10/31/2005 10:12	4.36	WALL	PURPLE	WALL 4	PLASTER	Staircase	12	Staircase B	Negative	2.39	0.01	0.02
144	10/31/2005 10:13	1.88	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	1.68	0.06	0.1
145	10/31/2005 10:14	4.37	Stair Tread	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	3.66	0.23	0.11
146	10/31/2005 10:15	1.88	Stair Strin	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	1	0.01	0.02
147	10/31/2005 10:15	1.87	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	1.08	0.01	0.03
148	10/31/2005 10:16	1.87	NEWEL POST	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	2.28	0.04	0.08
149	10/31/2005 10:16	1.87	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	2.29	0.12	0.13
150	10/31/2005 10:17	4.36	Stair Under	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	6.33	-0.5	1.09
151	10/31/2005 10:20	0.62	Roof DrBuck	YELLOW	WALL 1	METAL	Staircase	15	Staircase B	Null	1	0.01	0.05
152	10/31/2005 10:21	1.87	Roof DrBuck	YELLOW	WALL 1	METAL	Staircase	15	Staircase B	Negative	7.17	0.12	0.27
153	10/31/2005 10:21	1.87	Roof DOOR	YELLOW	WALL 1	METAL	Staircase	15	Staircase B	Negative	1	0	0.02
154	10/31/2005 10:22	1.88	STANDPIPE	ORANGE	WALL 3	METAL	Staircase	15	Staircase B	Negative	1.91	0.03	0.06
155	10/31/2005 10:24	1.89	PIPES	PURPLE	WALL 3	FIBERGLASS	Staircase	15	Staircase B	Negative	1	0	0.02
156	10/31/2005 10:25	1.87	Stair Riser	BEIGE	Room Center	METAL	Staircase	15	Staircase B	Negative	1.52	0.06	0.07
157	10/31/2005 10:25	4.99	Stair Tread	BEIGE	Room Center	METAL	Staircase	15	Staircase B	Negative	1.73	0.05	0.03
158	10/31/2005 10:25	1.87	Baluster	BEIGE	Room Center	METAL	Staircase	15	Staircase B	Negative	1.94	0.07	0.09
159	10/31/2005 10:26	1.87	Stair Strin	BEIGE	Room Center	METAL	Staircase	15	Staircase B	Negative	1	0.01	0.02
160	10/31/2005 10:27	2.49	Hand Rail	BEIGE	Room Center	METAL	Staircase	15	Staircase B	Negative	3	0.05	0.09
161	10/31/2005 10:27	1.87	Newel Post	BEIGE	Room Center	METAL	Staircase	15	Staircase B	Negative	2.32	0.05	0.08
162	10/31/2005 10:28	0.62	Column	BEIGE	Side 2	PLASTER	Staircase	15	Staircase B	Null	1	0.04	0.1
163	10/31/2005 10:28	4.99	Column	BEIGE	Side 2	PLASTER	Staircase	15	Staircase B	Negative	1.35	0.04	0.02
164	10/31/2005 10:42	3.12	WALL	BEIGE	WALL 1	SHEETROCK	Staircase	1	Staircase C	Negative	1	0	0.02
165	10/31/2005 10:43	2.49	WALL	BEIGE	WALL 3	SHEETROCK	Staircase	1	Staircase C	Negative	1	0	0.02
166	10/31/2005 10:44	2.49	WALL	BEIGE	WALL 4	SHEETROCK	Staircase	1	Staircase C	Negative	1	0	0.02
167	10/31/2005 10:45	1.87	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase C	Negative	1	0	0.02
168	10/31/2005 10:48	4.36	STAIR TREAD	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase C	Negative	1	0	0.02
169	10/31/2005 10:48	1.25	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase C	Negative	1	0	0.02
170	10/31/2005 10:49	1.88	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase C	Negative	1	0	0.02
171	10/31/2005 10:52	4.99	WALL	PURPLE	Wall 1	PLASTER	Staircase	5	Staircase C	Negative	7.67	0.07	0.1
172	10/31/2005 10:52	6.86	WALL	PURPLE	Wall 2	PLASTER	Staircase	5	Staircase C	Negative	3.25	0.02	0.03
173	10/31/2005 10:53	0.62	WALL	PURPLE	Wall 3	PLASTER	Staircase	5	Staircase C	Null	2.83	0.04	0.21
174	10/31/2005 10:53	3.74	WALL	PURPLE	Wall 3	PLASTER	Staircase	5	Staircase C	Negative	1.45	0.01	0.02
175	10/31/2005 10:54	3.75	WALL	PURPLE	Wall 4	PLASTER	Staircase	5	Staircase C	Negative	4.04	0.04	0.06
176	10/31/2005 10:54	1.87	STANDPIPE	ORANGE	Wall 4	METAL	Staircase	5	Staircase C	Negative	2.78	0.02	0.07
177	10/31/2005 10:57	3.76	Staircase Db	TEAL	Wall 1	METAL	Staircase	5	Staircase C	Negative	3.8	0.6	0.2
178	10/31/2005 10:57	1.87	Staircase Dr	TEAL	Wall 1	METAL	Staircase	5	Staircase C	Null	5.9	0.6	0.5
179	10/31/2005 10:57	1.87	Stair Riser	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	2.05	0.18	0.19
180	10/31/2005 10:59	4.36	Stair Tread	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	5.21	0.5	0.2
181	10/31/2005 11:00	1.87	Stair Strin	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	1.18	0.01	0.03
182	10/31/2005 11:01	1.87	Hand Rail	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	1.99	0.05	0.08
183	10/31/2005 11:02	4.37	Newel Post	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	6.27	-0.42	1.16
184	10/31/2005 11:02	1.87	Baluster	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	1.48	0.1	0.09

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No	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
185	10/31/2005 11:03	1.88	Stair Under	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	2.33	0.18	0.17
186	10/31/2005 11:07	4.38	WALL	BEIGE	WALL 1	PLASTER	Staircase	10	Staircase C	Negative	2.36	0.04	0.03
187	10/31/2005 11:07	4.37	WALL	BEIGE	WALL 2	PLASTER	Staircase	10	Staircase C	Negative	1	0.01	0.02
188	10/31/2005 11:08	4.36	WALL	BEIGE	WALL 3	PLASTER	Staircase	10	Staircase C	Negative	3.62	0.06	0.06
189	10/31/2005 11:08	4.36	WALL	BEIGE	WALL 4	PLASTER	Staircase	10	Staircase C	Negative	3.12	0.08	0.06
190	10/31/2005 11:10	4.36	Stair Riser	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	2.78	0.22	0.09
191	10/31/2005 11:10	4.36	Stair TREAD	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	3	0.24	0.1
192	10/31/2005 11:11	4.36	Stair Strin	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	3.54	0.3	0.13
193	10/31/2005 11:11	1.88	Hand Rail	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	1	0.02	0.03
194	10/31/2005 11:12	4.36	Baluster	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	3.74	0.3	0.13
195	10/31/2005 11:12	5.62	Newel Post	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	3.17	0.23	0.09
196	10/31/2005 11:13	4.36	Stair Under	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	4.66	0.5	0.2
197	10/31/2005 11:18	3.74	WALL	BEIGE	Wall 1	PLASTER	Staircase	15	Staircase C	Negative	4.28	0.02	0.04
198	10/31/2005 11:18	3.76	WALL	BEIGE	Wall 2	PLASTER	Staircase	15	Staircase C	Negative	4.26	0.02	0.04
199	10/31/2005 11:18	4.36	WALL	BEIGE	Wall 3	PLASTER	Staircase	15	Staircase C	Negative	1.97	0.01	0.02
200	10/31/2005 11:19	2.49	WALL	BEIGE	Wall 4	PLASTER	Staircase	15	Staircase C	Null	4.26	0.02	0.08
201	10/31/2005 11:20	1.87	ElectCondit	ORANGE	Wall 2	METAL	Staircase	15	Staircase C	Negative	1	0	0.02
202	10/31/2005 11:21	1.87	Stair Riser	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	5.28	0.07	0.17
203	10/31/2005 11:21	1.88	Stair Tread	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	4.42	0.06	0.14
204	10/31/2005 11:22	3.12	Stair Strin	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Null	3.61	0.05	0.09
205	10/31/2005 11:22	3.75	Hand Rail	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	3.44	0.05	0.09
206	10/31/2005 11:22	1.88	Newel Post	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	4.36	0.09	0.17
207	10/31/2005 11:23	1.88	Baluster	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	3.49	0.05	0.11
208	10/31/2005 11:23	4.36	Stair Under	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	3.85	-0.6	1.19
209	10/31/2005 11:35	13.78	Calibrate							Positive	1.09	1.1	0.1
210	10/31/2005 11:37	10	Calibrate							Positive	1.1	1.1	0.1
211	10/31/2005 11:38	21.28	Calibrate							Positive	1.07	1.1	0.1
212	10/31/2005 11:38	21.87	Calibrate							Positive	2.78	1.2	0.1
213	11/1/2005 8:24	56.67	SHUTTER_CAL									8.12	0
214	11/1/2005 8:31	21.26	Calibrate							Positive	1.06	1.1	0.1
215	11/1/2005 8:32	21.25	Calibrate							Positive	2.77	1.2	0.1
216	11/1/2005 9:08	3.12	COLUMN	BROWN	ROOM CENTER	STEEL	NE CORNER	3		Negative	1	0	0.02
217	11/1/2005 9:13	1.87	COLUMN	BROWN	ROOM CENTER	STEEL	SOUTHSIDE	3		Negative	1	0	0.02
218	11/1/2005 9:18	1.89	COLUMN	RED	ROOM CENTER	PLASTER	EASTSIDE	4		Positive	1.37	2.4	0.6
219	11/1/2005 9:21	4.36	WALL	BEIGE	WALL 4	PLASTER	SOUTHSIDE	4		Negative	3.57	0.03	0.04
220	11/1/2005 9:23	1.87	COLUMN	BROWN	ROOM CENTER	STEEL	SOUTHSIDE	4		Negative	1	0	0.02
221	11/1/2005 9:25	3.12	COLUMN	BLUE	ROOM CENTER	PLASTER	WESTSIDE	5		Negative	1	0	0.02
222	11/1/2005 9:29	0.62	COLUMN	BROWN	ROOM CENTER	STEEL	NE CORNER	5	F501	Null	1	0	0.02
223	11/1/2005 9:29	1.87	COLUMN	BROWN	ROOM CENTER	PLASTER	NE CORNER	5	F501	Negative	1	0	0.02
224	11/1/2005 9:33	1.88	COLUMN	BROWN	ROOM CENTER	STEEL	EASTSIDE	5	F507	Negative	1	0	0.02
225	11/1/2005 9:34	3.76	COLUMN	WHITE	ROOM CENTER	PLASTER	EASTSIDE	5	F507	Negative	1	0	0.02
226	11/1/2005 9:36	1.88	COLUMN	BROWN	ROOM CENTER	STEEL	SE CORNER	5		Negative	1	0	0.02
227	11/1/2005 9:38	1.87	Pipe-Sewage	BROWN	ROOM CENTER	METAL	SOUTHSIDE	5	Exterior	Negative	1	0	0.02
228	11/1/2005 9:39	1.88	COLUMN	BROWN	ROOM CENTER	STEEL	SOUTHSIDE	5	Exterior	Negative	1	0	0.02
229	11/1/2005 9:45	1.88	COLUMN	BROWN	ROOM CENTER	STEEL	SE CORNER	7		Negative	1	0	0.02
230	11/1/2005 9:46	4.37	COLUMN	BEIGE	ROOM CENTER	PLASTER	SE CORNER	7		Negative	2.2	0.4	0.1



Environmental Characterization Report  
Fiterman Hall, 30 West Broadway, New York, NY  
Airtek Project #05-0867 – January 10, 2006

Fiterman Hall  
Airtek Project #05-0867

No	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
231	11/1/2005 9:47	1.88	COLUMN	LT-YELLOW	ROOM CENTER	PLASTER	SW CORNER	7		Negative	1	0	0.02
232	11/1/2005 9:49	1.87	COLUMN	BROWN	ROOM CENTER	STEEL	NW CORNER	7	F716	Negative	1	0	0.02
233	11/1/2005 9:51	1.89	Elev Door	YELLOW	ROOM CENTER	METAL	HALLWAY	7		Negative	1.45	0	0.02
234	11/1/2005 9:51	1.87	Elev Dr/Buck	YELLOW	ROOM CENTER	METAL	HALLWAY	7		Negative	1.73	0.01	0.03
235	11/1/2005 10:01	1.89	Column	BROWN	ROOM CENTER	STEEL	EASTSIDE	8		Negative	1	0	0.02
236	11/1/2005 10:11	1.87	Column	BROWN	ROOM CENTER	STEEL	WESTSIDE	8		Negative	1	0	0.02
237	11/1/2005 10:19	4.36	Column	BLUE	ROOM CENTER	PLASTER	NORTH SIDE	9		Negative	1	0	0.02
238	11/1/2005 10:23	1.88	Column	BROWN	ROOM CENTER	STEEL	EASTSIDE	9		Negative	1	0.02	0.04
239	11/1/2005 10:26	1.88	Column	WHITE	ROOM CENTER	PLASTER	SW CORNER	9		Negative	1	0	0.02
240	11/1/2005 10:49	1.88	Column	WHITE	ROOM CENTER	PLASTER	SW CORNER	10		Negative	1	0	0.02
241	11/1/2005 10:55	0.62	Column	BROWN	ROOM CENTER	STEEL	NE CORNER	10		Null	1	0	0.02
242	11/1/2005 10:58	1.87	Column	BROWN	ROOM CENTER	STEEL	NE CORNER	10		Negative	1	0	0.02
243	11/1/2005 10:59	3.12	Column	BLUE	ROOM CENTER	PLASTER	HALL	10		Negative	1	0	0.02
244	11/1/2005 11:11	1.87	Column	BROWN	ROOM CENTER	STEEL	NE CORNER	11	1131	Negative	1	0	0.02
245	11/1/2005 11:15	1.87	Column	BROWN	ROOM CENTER	STEEL	EASTSIDE	11	1131	Negative	1	0	0.02
246	11/1/2005 11:20	1.87	Column	WHITE	ROOM CENTER	PLASTER	SW CORNER	11		Negative	1	0	0.02
247	11/1/2005 11:23	1.88	Column	WHITE	ROOM CENTER	PLASTER	SW CORNER	12		Negative	1	0	0.02
248	11/1/2005 11:44	1.87	Column	BROWN	ROOM CENTER	STEEL	EASTSIDE	13		Negative	1	0	0.02
249	11/1/2005 11:50	1.88	Column	BROWN	ROOM CENTER	STEEL	NORTH SIDE	13		Negative	1	0	0.02
250	11/1/2005 12:12	4.36	Column	GRAY	ROOM CENTER	PLASTER	EASTSIDE	15		Negative	4.73	0.5	0.2
251	11/1/2005 12:17	1.87	Column	BROWN	ROOM CENTER	STEEL	SOUTH SIDE	15	MECH ROOM	Negative	1	0.06	0.07
252	11/1/2005 12:20	1.88	Column	BROWN	ROOM CENTER	STEEL	NORTH SIDE	15		Negative	1	0.06	0.06
253	11/1/2005 12:37	21.24	Calibrate							Positive	1.07	1.2	0.1
254	11/1/2005 12:38	21.24	Calibrate							Positive	3.02	1.3	0.1
255	11/1/2005 12:39	20.61	Calibrate							Positive	2.79	1.2	0.1
166	11/1/2005 11:02	56.75	SHUTTER_CAL							Positive	11.72	0	0
167	11/1/2005 11:05	20.32	Calibrate							Positive	1.07	1	0.1
168	11/1/2005 11:05	22.19	Calibrate							Positive	2.69	1.2	0.1
169	11/1/2005 11:43	1.85	Wall	LT-BLUE	Side 1	PLASTER	LOADING DOCK	1		Negative	1	0	0.02
170	11/1/2005 11:44	2.46	Wall	BEIGE	Side 2	PG BLOCK	LOADING DOCK	1		Negative	1	0.01	0.02
171	11/1/2005 11:44	2.46	Wall	LT-GREEN	Side 4	CINDERBLOCK	LOADING DOCK	1		Negative	1	0	0.02
172	11/1/2005 11:44	1.84	Column	LT-GREEN	Side 4	PLASTER	LOADING DOCK	1		Negative	1	0	0.02
173	11/1/2005 11:45	1.84	Door Buck	LT-GREEN	Side 4	METAL	LOADING DOCK	1		Negative	1	0	0.02
174	11/1/2005 11:46	6.14	Wall	MULTI-COLOR	Side 1	CERAMICTILE	Lobby	1		Negative	1	0.7	0.3
175	11/1/2005 11:47	4.3	Wall	MULTI-COLOR	Side 4	CERAMICTILE	Lobby	1		Negative	1	0.6	0.3
176	11/1/2005 11:48	3.08	Wall	WHITE	Side 1	PLASTER	EAST CORNER	1		Negative	1	0	0.02
177	11/1/2005 11:48	2.46	Wall	WHITE	Side 2	SHEETROCK	EAST CORNER	1		Negative	1	0	0.02
178	11/1/2005 11:48	2.46	Wall	WHITE	Side 3	SHEETROCK	EAST CORNER	1		Negative	1	0	0.02
179	11/1/2005 11:49	1.85	Column	WHITE	Room Center	PLASTER	EAST CORNER	1		Negative	1	0	0.02
180	11/1/2005 11:49	2.46	Door Buck	WHITE	Side 1	METAL	EAST CORNER	1		Null	2.45	0.03	0.06
181	11/1/2005 11:50	17.85	Door Buck	WHITE	Side 1	METAL	EAST CORNER	1		Null	6.8	0.9	0.2
182	11/1/2005 11:50	4.91	Door Buck	WHITE	Side 1	METAL	EAST CORNER	1		Negative	6.08	0.11	0.1
183	11/1/2005 11:50	2.46	Door	BEIGE	Side 1	METAL	EAST CORNER	1		Negative	1.19	0.02	0.04
184	11/1/2005 11:51	1.84	Pipe Cover	BEIGE	Side 4	FIBERGLASS	EAST CORNER	1		Negative	1	0	0.04
185	11/1/2005 11:54	2.46	StaircaseDr	LT-GREEN	Side 1	METAL	CORR-STC-A	4		Negative	1	0	0.02
186	11/1/2005 11:54	1.85		LT-GREEN	Side 1	METAL	CORR-STC-A	4		Negative	1	0	0.02

Fiterman Hall  
Airtek Project #05-0867

No	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
187	11/11/2005 11:55	2.46	Wall	LT-GREEN	Side 1	PLASTER	CORR-STC-A	4		Negative	1	0	0.02
188	11/11/2005 11:55	2.46	Wall	LT-GREEN	Side 3	PLASTER	CORR-STC-A	4		Negative	1	0	0.02
189	11/11/2005 11:55	1.84	Elev D/Buck	LT-GREEN	Side 3	METAL	CORR-STC-A	4		Negative	1.81	0.02	0.05
190	11/11/2005 11:56	2.46	Elev Door	LT-GREEN	Side 3	METAL	CORR-STC-A	4		Negative	1	0	0.02
191	11/11/2005 11:58	4.91	Wall	LT-GREEN	Side 3	PLASTER	CORRIDOR STC.C South	4		Negative	10	0.5	0.3
192	11/11/2005 11:58	3.07	Wall	BEIGE	Side 3	PLASTER	CORRIDOR STC.C South	4		Negative	2.75	0.01	0.05
193	11/11/2005 11:59	2.46	Wall	BEIGE	Side 3	SHEETROCK	CORRIDOR STC.C South	4		Negative	1.81	0	0.02
194	11/11/2005 12:00	3.07	Baseboard	BEIGE	Room Center	VINYL	CORRIDOR STC.C South	4		Negative	1.66	0.01	0.02
195	11/11/2005 12:01	3.07	Baseboard	GREEN	Room Center	VINYL	CORRIDOR STC.C South	4		Negative	1.69	0.1	0.08
196	11/11/2005 12:03	1.85	Wall	PURPLE	Side 1	CINDERBLOCK	SECURITY ROOM	4	SECURITY	Negative	1.59	0.01	0.03
197	11/11/2005 12:03	1.84	Wall	PURPLE	Side 2	CINDERBLOCK	SECURITY ROOM	4	SECURITY	Negative	2	0.04	0.08
198	11/11/2005 12:03	1.84	Wall	PURPLE	Side 3	PLASTER	SECURITY ROOM	4	SECURITY	Negative	1	0	0.02
199	11/11/2005 12:04	2.46	Wall	PURPLE	Side 3	BRICK	SECURITY ROOM	4	SECURITY	Negative	4.2	0.02	0.08
200	11/11/2005 12:04	3.08	Wall	PURPLE	Side 3	CINDERBLOCK	SECURITY ROOM	4	SECURITY	Negative	2.39	0.01	0.03
201	11/11/2005 12:04	3.07	Baseboard	GRAY	Side 2	VINYL	SECURITY ROOM	4	SECURITY	Negative	1	0	0.02
202	11/11/2005 12:07	1.84	Wall	WHITE	WEST	BRICK	SETBACK ROOF	6	Roof	Negative	1	0.01	0.03
203	11/11/2005 12:08	1.84	Wall	WHITE	NORTH	BRICK	SETBACK ROOF	6	Roof	Negative	1	0	0.02
204	11/11/2005 12:08	1.85	Fence-Bar	BLACK	NORTH	METAL	SETBACK ROOF	6	Roof	Negative	1.77	0.05	0.19
205	11/11/2005 12:10	1.85	RadiatorCov	GRAY	WEST	METAL	Office	6	Office	Negative	1	0	0.02
206	11/11/2005 12:10	1.84	Wall	BEIGE	WEST	SHEETROCK	Office	6	Office	Negative	1	0	0.02
207	11/11/2005 12:13	1.84	Wall	BEIGE	Side 1	CERAMICTILE	LADIES RM BY STC. A	6	Ladies Room	Negative	1.93	0.03	0.1
208	11/11/2005 12:13	2.46	Wall	BEIGE	Side 2	CERAMICTILE	LADIES RM BY STC. A	6	Ladies Room	Negative	3.59	0.07	0.2
209	11/11/2005 12:13	1.85	Wall	BEIGE	Side 4	CERAMICTILE	LADIES RM BY STC. A	6	Ladies Room	Negative	1.59	0.02	0.07
210	11/11/2005 12:14	1.84	Floor	GRAY	Floor	CERAMICTILE	LADIES RM BY STC. A	6	Ladies Room	Negative	1	0	0.02
211	11/11/2005 12:14	1.85	Toilet	WHITE	Side 2	CERAMIC	LADIES RM BY STC. A	6	Ladies Room	Negative	7.73	0.16	0.41
212	11/11/2005 12:15	2.46	Stall Door	LT-GREEN	Side 2	METAL	LADIES RM BY STC. A	6	Ladies Room	Negative	1	0	0.02
213	11/11/2005 12:15	2.46	Sink	WHITE	Side 3	CERAMIC	LADIES RM BY STC. A	6	Ladies Room	Negative	2.19	0.04	0.08
214	11/11/2005 12:18	1.85	SecureGate	BEIGE	Side 2	METAL	StorageArea	8	SUPPLY	Negative	1	0	0.02
215	11/11/2005 12:18	1.84	Wall	BEIGE	Side 2	SHEETROCK	StorageArea	8	SUPPLY	Negative	1.18	0	0.02
216	11/11/2005 12:19	1.85	Wall	BEIGE	Side 3	SHEETROCK	StorageArea	8	SUPPLY	Negative	1.23	0	0.02
217	11/11/2005 12:19	2.47	Door Buck	BEIGE	Side 3 WEST	METAL	StorageArea	8	SUPPLY	Negative	1	0	0.02
218	11/11/2005 12:19	1.85	Door	BEIGE	Side 3 WEST	METAL	StorageArea	8	SUPPLY	Negative	1	0	0.02
219	11/11/2005 12:21	2.46	Wall	BEIGE	RC S.W.CORNER	PLASTER	Exterior	8	Exterior	Negative	1	0.01	0.02
220	11/11/2005 12:22	0.61	Column	BEIGE	RC S.W.CORNER	PLASTER	Exterior	8	Exterior	Null	2.47	0.08	0.27
221	11/11/2005 12:22	1.23	Column	BEIGE	RC S.W.CORNER	PLASTER	Exterior	8	Exterior	Null	1.46	0.04	0.08
222	11/11/2005 12:22	1.84	Column	BEIGE	RC S.W.CORNER	PLASTER	Exterior	8	Exterior	Negative	4.13	0.13	0.2
223	11/11/2005 12:22	2.46	Column	GRAY	RC S.W.CORNER	STEEL	Exterior	8	Exterior	Negative	1	0	0.02
224	11/11/2005 12:25	1.84	Wall	LT-BLUE	Side 1	PLASTER	ELEC. RM BY STC. A	9	ELEC. RM	Negative	1	0	0.02
225	11/11/2005 12:25	3.07	Wall	LT-BLUE	Side 2	PLASTER	ELEC. RM BY STC. A	9	ELEC. RM	Negative	1	0	0.02
226	11/11/2005 12:25	1.84	Wall	LT-BLUE	Side 3	PLASTER	ELEC. RM BY STC. A	9	ELEC. RM	Negative	1	0	0.02
227	11/11/2005 12:25	1.23	Wall	LT-BLUE	Side 4	PLASTER	ELEC. RM BY STC. A	9	ELEC. RM	Negative	1	0	0.02
228	11/11/2005 12:26	1.85	Door Buck	LT-GREEN	Side 1	METAL	ELEC. RM BY STC. A	9	ELEC. RM	Negative	1	0	0.02
229	11/11/2005 12:26	3.07	Baseboard	GRAY	Side 1	VINYL	ELEC. RM BY STC. A	9	ELEC. RM	Negative	1	0	0.02
230	11/11/2005 12:27	2.46	Column	BLUE	RC EAST	PLASTER	Office	9	OFFICE	Negative	1	0	0.02
231	11/11/2005 12:28	3.07	Column	BLUE	RC EAST	PLASTER	Office	9	OFFICE	Negative	2.99	0.01	0.04
232	11/11/2005 12:28	2.47	Wall	BEIGE	RC EAST	PLASTER	Office	9	OFFICE	Negative	1	0	0.02



Environmental Characterization Report  
Fiterman Hall, 30 West Broadway, New York, NY  
Airtek Project #05-0867 – January 10, 2006

Fiterman Hall  
Airtek Project #05-0867

No	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
233	11/11/2005 12:28	3.07	Wall	LT-GREEN	RC EAST	PLASTER	Office	9	OFFICE	Negative	1	0	0.02
234	11/11/2005 12:29	2.46	Baseboard	LT-GREEN	RC EAST	VINYL	Office	9	OFFICE	Negative	2.84	0.26	0.2
235	11/11/2005 12:29	6.76	Baseboard	BLACK	RC EAST	VINYL	Office	9	OFFICE	Negative	1.79	0.06	0.03
236	11/11/2005 12:31	1.84	Door Buck	BEIGE	WEST WALL 1	METAL	Office	9	OFFICE	Negative	1	0	0.02
237	11/11/2005 12:31	1.86	Door	BEIGE	WEST WALL 1	METAL	Office	9	OFFICE	Negative	1	0	0.02
238	11/11/2005 12:31	2.46	Wall	BEIGE	WEST WALL 1	PLASTER	Office	9	OFFICE	Negative	1	0	0.02
239	11/11/2005 12:32	1.84	Wall	BEIGE	WEST WALL 2	PLASTER	Office	9	OFFICE	Negative	1	0	0.02
240	11/11/2005 12:32	2.46	Wall	BEIGE	WEST WALL 3	PLASTER	Office	9	OFFICE	Negative	1	0	0.02
241	11/11/2005 12:32	2.46	Wall	BEIGE	4	PLASTER	Office	9	OFFICE	Negative	1.77	0	0.02
242	11/11/2005 12:33	2.46	Column	BEIGE	SOUTH	STEEL	Office	9	OFFICE	Negative	1	0	0.02
243	11/11/2005 12:34	1.84	Pipe Riser	BEIGE	SOUTH	STEEL	Office	9	OFFICE	Negative	1	0	0.02
244	11/11/2005 12:34	1.86	Pipe Riser	BEIGE	SOUTH	STEEL	Office	9	OFFICE	Negative	1	0	0.02
245	11/11/2005 12:34	1.85	Pipe Sewage	BEIGE	SOUTH	STEEL	Office	9	OFFICE	Negative	2.94	0.08	0.22
246	11/11/2005 12:35	1.84	ElectCondit	BEIGE	SOUTH	STEEL	Office	9	OFFICE	Negative	1	0	0.02
247	11/11/2005 12:39	1.84	Wall	LT-GREEN	SOUTH	CINDERBLOCK	OPEN OFFICE AREA	11	OPEN AREA	Negative	1	0	0.02
248	11/11/2005 12:39	1.85	Wall	LT-GREEN	SOUTH	PLASTER	OPEN OFFICE AREA	11	OPEN AREA	Negative	1.22	0	0.02
249	11/11/2005 12:40	1.84	Door Buck	LT-GREEN	SOUTH	METAL	OPEN OFFICE AREA	11	OPEN AREA	Negative	2.93	0.09	0.13
250	11/11/2005 12:40	2.47	Floor	GRAY	Floor	CONCRETE	OPEN OFFICE AREA	11	OPEN AREA	Negative	1.51	0.12	0.09
251	11/11/2005 12:41	1.85	Pipe	LT-GREEN	SOUTH	METAL	OPEN OFFICE AREA	11	OPEN AREA	Negative	1	0.01	0.03
252	11/11/2005 12:41	2.46	Column	LT-GREEN	SOUTH	PLASTER	OPEN OFFICE AREA	11	OPEN AREA	Negative	1	0	0.02
253	11/11/2005 12:41	1.85	Column	LT-GREEN	SOUTH	STEEL	OPEN OFFICE AREA	11	OPEN AREA	Negative	1	0	0.02
254	11/11/2005 12:42	2.46	Pipe Sewage	LT-GREEN	SOUTH	METAL	OPEN OFFICE AREA	11	OPEN AREA	Negative	1	0	0.02
255	11/11/2005 12:42	1.84	Pipe Riser	LT-GREEN	SOUTH	METAL	OPEN OFFICE AREA	11	OPEN AREA	Negative	1	0	0.02
256	11/11/2005 12:42	1.84	Pipe Riser	LT-GREEN	SOUTH	METAL	OPEN OFFICE AREA	11	OPEN AREA	Negative	1	0	0.02
257	11/11/2005 12:43	2.46	Wall	LT-GREEN	SOUTH	BRICK	OPEN OFFICE AREA	11	OPEN AREA	Negative	1.06	0	0.02
258	11/11/2005 12:45	3.07	Wall	LT-GREEN	NORTH	PLASTER	LUNCH ROOM	11	LUNCHEON	Negative	1	0	0.02
259	11/11/2005 12:45	1.84	Wall	LT-GREEN	NORTH WALL 2	PLASTER	LUNCH ROOM	11	LUNCHEON	Negative	1	0	0.02
260	11/11/2005 12:45	2.46	Wall	LT-GREEN	NORTH WALL 3	PLASTER	LUNCH ROOM	11	LUNCHEON	Negative	2.09	0.4	0.5
261	11/11/2005 12:46	1.84	Pipe Cover	LT-GREEN	NORTH WALL 3	FIBERGLASS	LUNCH ROOM	11	LUNCHEON	Negative	1	0.13	0.35
262	11/11/2005 12:47	2.47	Column	LT-GREEN	NORTH WALL 3	PLASTER	LUNCH ROOM	11	LUNCHEON	Negative	1.1	0	0.02
263	11/11/2005 12:53	2.46	Stair Riser	BEIGE	Room Center	METAL	Staircase	B	Basement	Negative	1	0	0.02
264	11/11/2005 12:53	1.84	Hand Rail	BEIGE	Room Center	METAL	Staircase	B	Basement	Negative	1	0	0.02
265	11/11/2005 12:53	3.07	Floor	BEIGE	Floor	CONCRETE	Staircase	B	Basement	Negative	1	0	0.02
266	11/11/2005 12:54	2.46	Door Buck	BEIGE	Side 1	METAL	Staircase	B	Basement	Negative	1	0	0.02
267	11/11/2005 12:54	1.85	Door	BEIGE	Side 1	METAL	Staircase	B	Basement	Negative	1	0	0.02
268	11/11/2005 12:54	1.84	Wall	BEIGE	Side 1	PLASTER	Staircase	B	Basement	Negative	1	0	0.02
269	11/11/2005 12:54	1.85	Wall	BEIGE	Side 4	PLASTER	Staircase	B	Basement	Negative	1	0	0.02
270	11/11/2005 12:55	3.07	Wall	BEIGE	Side 4	PLASTER	Staircase	B	Basement	Negative	1	0	0.02
271	11/11/2005 12:56	1.84	Wall	LT-GREEN	Side 1	CINDERBLOCK	Staircase	B	Basement	Negative	2.82	0.01	0.04
272	11/11/2005 12:56	1.84	Wall	LT-GREEN	Side 4	CINDERBLOCK	MER	B	Basement	Negative	1	0	0.02
273	11/11/2005 12:57	22.73	Sink	WHITE	Side 4	CINDERBLOCK	MER	B	Basement	Negative	1	0	0.02
274	11/11/2005 12:58	1.84	Sink	WHITE	Room Center	CERAMIC	MER	B	Basement	Null	2.44	0.18	0.03
275	11/11/2005 12:58	2.46	Pipe Sewage	WHITE	Room Center	CERAMIC	MER	B	Basement	Positive	2.14	2.8	0.8
276	11/11/2005 12:58	2.46	Pipe	LT-GREEN	Room Center	CERAMIC	MER	B	Basement	Negative	1.96	0.23	0.18
277	11/11/2005 12:59	4.95	Column	LT-GREEN	Room Center	METAL	MER	B	Basement	Negative	1.53	0.12	0.1
278	11/11/2005 13:00	2.46	Door Buck	WHITE	Room Center	CINDERBLOCK	MER	B	Basement	Negative	3.48	0.25	0.1
						WOOD	Office	B	Basement	Negative	1	0	0.02

Fiterman Hall  
Airtek Project #05-0867

No	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
279	11/11/2005 13:00	1.84	Door	WHITE	Room Center	WOOD	Office	B	Basement	Negative	1	0	0.02
280	11/11/2005 13:01	1.84	Wall	WHITE	Room Center	SHEETROCK	Office	B	Basement	Negative	1	0	0.02
281	11/11/2005 13:01	2.46	Wall	WHITE	Side 4	SHEETROCK	Office	B	Basement	Negative	1	0	0.02
282	11/11/2005 13:02	1.85	Column	WHITE	Room Center	PLASTER	Office	B	Basement	Negative	2.85	0.02	0.07
283	11/11/2005 13:02	1.84	Floor	GRAY	Floor	CONCRETE	Office	B	Basement	Negative	1.82	0.13	0.13
284	11/11/2005 13:10	11.68	Calibrate							Positive	1.08	1.1	0.1
285	11/11/2005 13:10	21.54	Calibrate							Positive	2.67	1.1	0.1



## **Attachment VI    Data Summary – WTC CoPC Sampling**

**Fiterman Hall**

**Mercury Vapor Testing**

**Lumex RA 915+**

**Real-time Mercury Vapor Monitoring via Lumex RA 915+ Analyzer**  
**All results reported in ng/m3**

Sample Location	Date	Start Time	R-1	R-2	R-3	R-4	R-5	R-6	R-7	R-8	R-9	R-10	R-11	R-12	R-13
15th Floor	12/7/2005	10:45	1	2	2	1	1	2	3	2	2	2	3	X	X
14th Floor	12/7/2005	10:51	2	1	1	2	2	3	1	1	2	1	1	X	X
13th Floor	12/7/2005	10:54	3	3	2	2	2	2	3	3	2	2	2	2	X
12th Floor	12/7/2005	10:57	3	3	2	3	4	3	3	4	4	5	5	4	X
11th Floor	12/7/2005	11:01	6	4	4	3	5	4	5	4	4	5	4	5	X
10th Floor	12/7/2005	11:07	6	7	7	7	8	8	9	8	8	8	7	7	X
9th Floor	12/7/2005	11:11	9	9	8	9	10	10	10	10	10	8	10	10	X
8th Floor	12/12/2005	11:11	2	2	2	1	1	2	3	2	3	3	4	3	X
7th Floor	12/12/2005	11:14	4	5	4	4	5	5	5	4	4	5	4	5	X
6th Floor	12/12/2005	11:18	6	7	7	6	6	6	7	7	5	6	7	6	X
5th Floor	12/12/2005	11:21	6	6	3	3	3	4	3	2	3	3	4	5	X
4th Floor	12/12/2005	11:25	3	3	4	4	4	3	4	4	4	4	5	4	X
3rd Floor	12/12/2005	11:28	4	4	4	3	4	4	4	5	6	6	6	6	X
2nd Floor	12/12/2005	11:31	6	4	6	6	5	5	6	5	5	6	7	6	X
1st Floor	12/12/2005	11:35	6	7	8	7	7	8	8	7	8	8	8	8	X
Basement	12/12/2005	11:37	9	9	9	9	9	9	8	10	10	9	10	9	X

**USEPA Trigger Level = 3000 ng/m3**

Fiterman Hall Interior Wipe Sampling - Metals

Metals Wipe Samples Taken on 11-3-05  
All results measured in ug/sq.ft

Sample Location	Antimony	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Manganese	Nickel	Zinc
13th Floor Southeast Electrical Panel	1.95	37.1	ND	0.62	15.6	48.2	41.9	81.6	12.6	581
14th Floor Northwest Vent Cover	2.48	47.3	ND	ND	7.51	75	20	33.1	7.14	161
13th Floor Southwest Corridor Desk	2.95	60.1	ND	0.66	12.1	44.8	26.2	60.3	9.93	188
12th Floor West File Cabinet	3.18	44.2	ND	ND	8.57	34.1	32.3	39.2	7.81	110
11th Floor South Duct Work	8.23	1200	ND	0.7	31.6	93.9	74.9	18.9	22.8	1750
10th Floor North Corridor Floor	2.84	44.6	ND	0.65	6.88	43.8	23	50.9	6.06	143
9th Floor East Light Fixture	1.1	11.8	ND	ND	2.59	13.6	10.4	14	2.34	83.1
8th Floor East Table Top	1.39	25.6	ND	ND	2.6	14.1	8.96	15.5	4.05	26.4
7th Floor North Radiation Cover	14.2	87	ND	1.59	22.2	163	75.5	167	10.8	896
6th Floor West Radiation Cover	5.48	81.6	ND	1.42	13.4	72.9	53.6	80.9	19.6	338
5th Floor South Corridor Floor	6.97	108	ND	0.74	18.1	308	74	111	17.2	459
4th Floor East Radiation Cover	4.39	65.5	ND	1.08	16.4	62.6	62.4	129	25.4	312
3rd Floor Northeast Corridor Desk	14.8	108	ND	1.95	27.7	139	85.4	163	16.4	768
2nd Floor North Table Top	3.35	57.6	ND	ND	6.79	31.5	33.7	42.5	9.48	145
1st Floor Loading Dock Duct Work	ND	25.3	ND	ND	9.55	37.8	18.8	59.9	12.2	137
Basement Top Water Chiller Pipe	ND	48.5	ND	ND	1.54	16.6	3.89	13.4	4.24	233

**Fiterman Hall**  
**ACM Microvacuum Samples**  
**ASTM - 5755**

Sample Location	Sample ID	Area Sampled	Asbestos Type	Asbestos Structures	Sensitivity	Concentration	Comment
15 - E. Flr. Center	M-01	100 sq. cm.	None Detected	<3	991	<2970	
14 - N. Flr. Center. Rad. Top	M-02	100 sq. cm.	None Detected	<3	991	<2970	
13 - W. Flr. Center	M-03	100 sq. cm.	Amosite Chrysotile	17	2580	43900	
12 - S.E. Cor. Above Ceiling	M-04	100 sq. cm.	Chrysotile	17	1290	21900	
11 - Flr. Staircase B Landing	M-05	100 sq. cm.	None Detected	<3	991	<2970	
10 - E. Cor. Flr.	M-06	100 sq. cm.	Chrysotile	<3	859	<2580	
9 - N. W. Flr.	M-07	100 sq. cm.	None Detected	<3	859	<2580	
8 - W. Flr. Desk Top	M-08	100 sq. cm.	Chrysotile	<3	859	<2580	
7 - S. Flr. Center	M-09	100 sq. cm.	Chrysotile	10	2580	25800	
6 - E. Flr.	M-10	100 sq. cm.	Chrysotile	117	859	101000	
5 - N. Flr. File Cabinet	M-11	100 sq. cm.	Amosite Chrysotile	20	1290	25800	
4 - W Cor. Flr.	M-12	100 sq. cm.	None Detected	<3	515	<1550	
3 - S.W. Flr. Above Ceiling	M-13	100 sq. cm.	Chrysotile	109	1290	141000	
2 - N. Flr. Table Top	M-14	100 sq. cm.	None Detected	<3	859	<2580	
1 - Loading Dock Flr.	M-15	100 sq. cm.	Chrysotile	22	1290	28400	
Basement N. Ctr. Office Above Duk	M-16	100 sq. cm.	Tremolite	<3	859	<2580	
Field Blank	M-17	0 sq. cm.	Chrysotile	4			Blank
Field Blank	M-18	0 sq. cm.	None Detected	<3			Blank

Fiterman Hall Interior Wipe Sampling - Mercury, Lead, Polynuclear Aromatic Hydrocarbons (PAH) and Polychlorinated Biphenyls (PCBs)

Wipe Samples Taken on 11.3.05  
All results measured in ug/sq.ft

Sample Location	Mercury	Method	Lead	Method	PAH	Method	PCB	Method	Dioxins/Furans	Method
15th Floor	0.81	SW846-7471	41.8	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
14th Floor	ND	SW846-7471	1.98	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
13th Floor	ND	SW846-7471	34.2	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
12th Floor	ND	SW846-7471	11.4	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
11th Floor	ND	SW846-7471	3.68	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
10th Floor	ND	SW846-7471	22.1	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
9th Floor	ND	SW846-7471	14.1	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
8th Floor	ND	SW846-7471	36.6	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
7th Floor	ND	SW846-7471	135	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
6th Floor	ND	SW846-7471	34.6	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
5th Floor	ND	SW846-7471	85	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
4th Floor	ND	SW846-7471	96.2	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
3rd Floor	ND	SW846-7471	83.2	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
2nd Floor	ND	SW846-7471	64.3	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
1st Floor	ND	SW846-7471	117	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
Basement	ND	SW846-7471	50.6	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A
Field Blank	ND	SW846-7472	0.79	SW846-3050/6010B	ND	EPA TO-13M	Nde 2	SW846 - 8082	ND	SW846 8280A

Note: The exact location of each sample can be found in the Technical Report.

Note 2: Results Pending

## **Attachment VII   Inventory – Miscellaneous Building Contents**

**Fiterman Hall – 30 West Broadway**

**Miscellaneous Building Contents List**

This list includes building contents observed during environmental characterization walkthroughs. The list is intended neither to be a complete inventory, nor establish the scope of work for the contractor. It is informational and is intended for project planning purposes only.

**15<sup>th</sup> Floor**

Approx. 10 yards trash/debris remaining

**14<sup>th</sup> Floor**

**East Quadrant**

Room #2 – 19 florescent lights  
Ballasts – E.S. (847) 925-8400  
(3) Fire Extinguishers (located inside closet)  
(10) gallons of Paint  
(4) 5 gallons pails of paint

**South East Quadrant**

Computer Server Room  
(6) Servers  
(1) Monitor  
(1) Keyboard

**Center Reception Area**

(1) Monitor

**North East Corner Office**

(1) Monitor, Various electronics disassembled

**Room 10**

(1) Server

**West Quad Open Area**

(1) Refrigerator

**South Quad (By Freight)**

(1) Vending Machine damaged  
(2) Fire Extinguisher

Floor has contractor debris, trash, tables, chairs, filing cabinets, limited files, limited paperwork, etc.

**13th Floor**

All of the North Quadrant has been cleared of contents

**East Quad Rm 1318**

(30) light fixtures  
Ballasts (Triad), Florescent bulbs (Sylvania)

**Outside Rm 1318**

(3) Fire Extinguishers

Appendix VII – Miscellaneous Building Contents List  
Fiterman Hall – 30 West Broadway

**West Quadrant** (1) Monitor  
(3) Servers  
(4) Boxes ceiling tiles

This floor contains, desks, chairs, tables

**12<sup>th</sup> Floor**

**NE Secretarial Area** (1) Laser Jet Printer

**Room 1231** (2) small copiers

**East Storage Area** (5) boxes of toner (IBM 63H2401)

This floor contains various desks, chairs, adding machines,  
mail room supplies, paper, files, detachable cubicles, filing  
cabinets, phones, fans, etc.

**11<sup>th</sup> Floor**

**Elevator Machine Room** (1-1/2) Gallon Special Grade A Oil  
(1) Gallon Marine Deck Paint Red  
(1) Tube of Lithium EP Grease

**Slop Sink Room** ¼ Non-Acid Bathroom Cleaner

**West Quadrant** (11) Light Fixtures  
(11) Ballasts (L.G.)  
Florescent Lights (Philips)  
(1) Box Microsoft Hardware and Computer Parts

**North Lunch Room** (3) Vending Machines, damaged

**East Room 1130** Various Computer Parts and disks  
(2) Servers

**Computer Shop** (1) Car Battery

**Mail Room** (5) 1 gallon E-Z Seal Liquid  
(40) lights and Ballasts

**SE Room 1145** (5) Copiers  
(2) Fax Machines

**10<sup>th</sup> Floor**



Appendix VII – Miscellaneous Building Contents List  
 Fiterman Hall – 30 West Broadway

<b>North Room 1010</b>	Approximately 20-25 florescent lights and Ballasts (3) packages of ceiling tile
<b>Room 1011</b>	(1) TV (3) VCR (1) Movie Camera (3) Tape Recorders (3) Overhead Projectors
<b>East Center Corridor</b>	(4) Monitors (2) Keyboards (1) IBM Laser Cartridge
<b>Room 1018</b>	(5) Copiers (11) Printers (9) Monitors (3) Servers (4) Keyboards
<b>Room 1019</b>	(2) Overhead Projectors  Approximately half of this floor is covered with garbage, various desks, chairs, cabinets. The Kitchen area and room 1022 has fallen ceiling debris
<b><u>9<sup>th</sup> Floor</u></b>	
<b>East is an open area</b>	Approximately 45 packages of ceiling tile Various reels of electrician wiring and equipment (45) lights and ballasts
<b>North Quadrant</b>	Approximately 100 packages of ceiling tile  Approximately half of this floor is covered with the electrician's debris.
<b><u>8<sup>th</sup> Floor</u></b>	
<b>North Quadrant</b>	(1) large Copier
<b>East Quadrant</b>	(12) fire extinguishers in corridor (2) Batteries (1) Copier

Appendix VII – Miscellaneous Building Contents List  
Fiterman Hall – 30 West Broadway

**North Quadrant**

¼ can of Xylene  
(20) gallons of paint  
(3) Refrigerators  
(1) Microwave  
(1) computer  
(1) TV  
(1) VCR  
(1) Record Player  
(1) gallon carpet adhesive

This floor is filled with sheetrock, ceiling tiles, desks, personnel belongings, files, cabinets, chairs desks, etc.

**7<sup>th</sup> Floor**

**North Room 719**

(8) Monitors  
(32) lights and ballasts

**South West Quadrant**

This area contains (5) offices filled with personal belongings, paperwork, files, clothes, (3) computers, telephones books, etc.

**6<sup>th</sup> Floor**

**East Quadrant**

(10) lights and ballasts  
(2) small copiers  
(4) boxes of IBM 63H240

**5<sup>th</sup> Floor**

**South East Quadrant**

(1) Link 21 Integrated System  
(1) Box computer cable wiring  
(1) Cisco 4000 series  
Boystack 28115

**South West Quadrant**

(1) Climate Control unit Liebert System

**West Room 518/522**

(1) small refrigerator  
(2) small servers  
(1) monitor

**Outside of Stairway B**

(1) fire extinguisher

Appendix VII – Miscellaneous Building Contents List  
 Fiterman Hall – 30 West Broadway

<b>North Room 501</b>	Approximately 24 lights and ballasts (Quictronics)  All of the 5 <sup>th</sup> floor has trash, furniture, office equipment etc.
<b><u>4<sup>th</sup> Floor</u></b>	
<b>Elevator Bank A</b>	(1) fire extinguishers  This floor has garbage and debris, electrician's supplies, nuts bolts, wiring etc.
<b><u>3<sup>rd</sup> Floor</u></b>	
<b>North East Quadrant</b>	(1) cold wave air master machine (1) Keyboard (1) Zep 45 (2) aerosol spray adhesive
<b>East (Center)</b>	Various Machinery (1) canister of acetylene (1) canister of Oxygen – 2 lbs. (1) large microwave (1) fire wagon with (6) fire extinguishers (5) 5 inch Dial B metal thermoses (1) large box various aerosol paint cans (1) computer monitor (1) case Parker model #PCX-48 High capacity core shells flange and core gaskets (1) large trash can for cans, aluminum
<b>North CenterCorridor</b>	¾ box of GE florescent light bulbs
<b>North West Quadrant</b>	Approximately 50 florescent lights and ballasts (1) Case of ceiling tile Contractor's supplies and equipment, sheet rock, insulation, electrical wiring, cement mix, etc.) Approximately (5) 5 gallon buckets of Taylor 2030 Black thin tile adhesive Cases of floor tile (12x12), Taskett (50) boxes of Anemostat Lighting (16) boxes of Zumtobel Staff Lights (1) fire extinguisher
<b>SW Quadrant (Corner)</b>	(1) fire extinguisher

Appendix VII – Miscellaneous Building Contents List  
Fiterman Hall – 30 West Broadway

<b>Freight elevator room</b>	(1) fire extinguisher (8) cases floor tile (3) 5 gallon buckets joint compound
<b>NE Corner by Bank A</b>	(20) Cooper lights
<b>Labor Room East</b>	Approximately 12-15 computers (room is also filled with file cabinets, paperwork boxes of paper and books, etc)  This floor also contains, files, papers, doors trash, door frames, East Corridor the same.
<b><u>2<sup>nd</sup> floor</u></b>	This floor is basically clean
<b>North Quadrant</b>	(1) small microwave Couch, chair personnel effects garbage ½ filled
<b>West Quadrant</b>	Sheetrock, fiberglass insulation, ceiling tile
<b><u>1<sup>st</sup> floor</u></b>	
<b>Vestibule</b>	(4) 5-gallon gas cans – filled Turpentine Paint Site Characterization PPE Storage  This floor contains un-hung sheet rock, contractor's supplies, granite, equipment, personnel items, ceiling tile, reception desk with console, electrician's wiring debris etc.
<b><u>Basement</u></b>	This area contains many different chemicals, paints, etc. throughout the floor, (refer to chemical inventory list)  Fuel Oil Tank (550Gallon?) (3) propane tanks (Corrosives) Bextane Refrigerant  Various offices with personnel effects, desks, paper work trash, tools etc)

## **Attachment VIII Inventory – Chemical Log**

Fiterman Hall Chemical Log					
Inventory ID	Item Name	Description	Model #	Quantity	Floor / Room #
1	NALCO CHEMICAL	NALCO 2833		2- 55GAL/1-20 Gal	BSMT
2	NALCO CHEMICAL	7383		1-55 GAL	BSMT
3	N/A	CORROSIVE		55 GAL	BSMT
4	N/A	CORROSIVE		55 GAL	BSMT
5	GOLD COAST	INT/EXT ENAMEL		2 GAL	BSMT
6	HAWTHORNE	ENAMEL		1 GAL	BSMT
7	ULTRA SERIS	9575 COOLING WATER		45 LBS	BSMT
8	HONEYWELL	GENETRON 123		300 LBS	BSMT
9	UNIVERSAL	SODIUM		40 GAL	BSMT
10	FIVE FLO.	MULTI COMPRESSOR OIL		20 GAL	BSMT
11	CONSUMER OIL CO.	LUBRICANT OIL		1/2 GAL	BSMT
12	FIVE FLO.	COMPRESSOR OIL		20 GAL	BSMT
13	CHLIDERS	CP-50A		1 GAL	BSMT
14	TEXACO	0927 MARFAIO		80 LBS	BSMT
15	HIGH LOAD	MULTI VIS GEAR OIL		80 LBS	BSMT
16	N/A	N/A	N/A	N/A	N/A
17	GOLD COAST ENAM GRIP	INT/EXT PAINT	37.00	8	BSMT
18	GOLD COAST ENAM GRIP	GRAY	16.00	7	BSMT
19	TURPINTINE	1 GALLON		1	BSMT
20	TURPINTINE (TRPS)	PAINT 32OZ Solvent		1	BSMT
21	HYDROLIC OIL	ISO 32		55 GAL	BSMT
22	A-1 HEAVY DUTY CLEANER	ZEP		20 GAL	BSMT
23	ZEP	DYNA 143		55 GAL (2)	BSMT
24	MISTY COLE CLEANER		WT417	55 GAL.	BSMT
25	MISTY	AIR FRESH/DEOD.	P-201	55 GAL	BSMT
26	CHEMCO	FOAM HEAVY DUTY CLEANER	1,085.00	55 GAL	BSMT
27	ZEP	A-F SMOKE SCREEN		64 OZ	BSMT
28	KEYLON	SPRAY PAINT		24 OZ	BSMT
29	HAWTHORNE	ENAMEL PAINT	42 BOX	4/1 GAL	BSMT
30	GOLD COAST	ENAMEL PAINT		3/1 GAL	BSMT
31	MERCURY	ACRYLIC LATEX		5 GAL	BSMT
32		RED GREASE	920-1020493	5 GAL	BSMT
33	E-K INDUSTRIE	4510 GLYERCIN		1 GAL	BSMT
34	PARKER	HIGH CAPACITY LIQUID LINE		5 PINTS	BSMT
35	TRU BONI	FL. COVERING ADHESIVE		2 (1GAL)	BSMT
36	CERTIFIED	BEXANE BASE A		22.2 OZ	BSMT
37	CERTIFIED	BEXANE HARDNER		22.2 OZ	BSMT
38	RERRIGERANT 11	REFRIG 11		20 GAL	BSMT
39	AM SOLV.	ANCIDE 5815		10 GAL	BSMT
40	SHERWIN WILLIAMS	INDUSTRIAL ENAMEL		19 (1 GAL)	BSMT
41	IRONCLAD	QUICK DRY INDUSTRIAL ENAMEL		13 (1 GAL)	BSMT

Inventory ID	Item Name	Description	Model #	Quantity	Floor / Room #
42	IMPERVO	LOW LUSTRE ENAMEL		9 (1 GAL)	BSMT
43	INSLX	HIGH GLOSS ENAMEL		6(1 GAL)	BSMT
44	OX O DECK	FL,PORCH, DECK ENAMEL		1 GAL	BSMT
45	LAZON	ACRYLIC LATEX		1 GAL	BSMT
46	DUPONT	FREON 500		1 CARRITTE	BSMT
47	LARCOLID	LATEX		10 GAL	BSMT
48	SPEEDY SATIN	LATEX SEMI GLOSS		1 GAL	BSMT
49	DABAIS			1 QT	BSMT
50	SHERWIN WILLIAM	EXTERIOR LATEX PAINT		4.5 GAL	1ST FL.
51	DITMAR PAINT CO.	PAINT		4.5 GAL	1ST FL.
52	U.S.A.	PAINT THINNER		1.0 GAL	1ST FL.
53	SHERWIN WILLIAM	INTERIOR PAINT		4.5 GAL	1 ST FL.
54	SHERWIN WILLIAM	EXTERIOR PAINT		4.5 GAL	1ST FL.
55	ROPAK	UNKNOWN		10 GAL	3RD FL.
56	ROBERT 3000	FLOOR COVERING ADHESIVE		4.5 GAL	3 RD FL.
57	MAPEL LL-2	LIQUID LATEX		5 GAL	3RD FL.
58	TAYLOR	BLACK THIN TILE ADHESIVE		35 GAL	3RD FL.
59	ACETYLENE SUPPLY CO.	ACETYLENE		20LBS	3RD FL.
60	N/A	OXYGEN- CANISTER		10LBS	3RD FL.
61	ZEP	RUST-REMOVER		1 GAL	3RD FL.
62	MISC. AEROSOL CANS	FILM-LUBRICAN-SOLVENT DEGREASER		1 BOX	3RD FL.
63	PARKER	HIGH CAPACITY CORE		1 BOX	3RD FL.
64	TREMSTOP	FIRE STOPPING ACRYLIC		6 (5 GAL)	6TH FL.
65	DAP	CARPET ADHESIVE		1/2 CAL	8TH FL.
66	USA	XYLENE		1/4 GAL	8TH FL.
67	SHERWIN WILLIAMS	PRO MAR		2 2/1 GAL	8TH FL.
68	E-Z	DENTURED ALCHOL		1 GAL	8TH FL.
69	GOLD COAST	ENVIRO FLEX		14 1- GAL	8TH FL.
70	DAP	ACRYLIC COVE ADHESIVE		6- 1 GAL	8TH FL.
71	SHEEN	SEMI GLOSS LATEX		1/2 GAL	8TH FL.
72	MIRACLE	BLK MAGIC TYPE M		1 GAL	8TH FL.
73	LARCOLOID	RUST INHIBITOR		1 GAL	8TH FL.
74	REDSTAR	SEMI GLOSS		1 GAL	8TH FL.
75	55	DEGRASER		1 CAN	8TH FL.
76	MINWAX (FLOORS)	POLYURETHANE		1 GAL	8TH FL.
77	ZEP	GREASE MONKEY		1 CAN	8TH FL.
78	ZEP	DRILL CHILL		1 CAN	8TH FL.
79	MINWAX	WOOD FINISH		8 PINTS	8TH FL.
80	BEN MOORE	ENAMEL		1 GAL	8TH FL.
81	DAP	CONTACT CEMENT		2 GAL	8TH FL.
82	DAP	CARPET ADHESIVE		2 GAL	8TH FL.
83	AMERICAN POLYMER	ANTI GRAFITTI		1 PINT	8TH FL.

Inventory ID	Item Name	Description	Model #	Quantity	Floor / Room #
84	DAYTON	INDUSTRIAL		CAN AERSOL	8TH FL.
85	ZEP-OFF	PAINT REMOVER		CAN AERSOL	8TH FL.
86	A-1	BLEACH		1 GAL	8TH FL.
87	COLUMBIA	PRE-K 52 CARPET		1 GAL	8TH FL.
88	MIRACLE	BLACK M TYPE		1 GAL	8TH FL.
89	ACE	HYDRAULIC OIL		1 GAL	8TH FL.
90	430 CLEAR PRO	FL. TILE ADHESIVE		5 GAL.	8TH FL.
91	BEN MOORE	LATEX		5 GAL.	8TH FL.
92	BEN MOORE	ENAMEL		5 GAL	8TH FL.
93	PRO MAR 400	LATEX		5 GAL	8TH FL.
94	MERCURY	ACRYLIC LATEX		5 GAL	8TH FL.
95	BEN MOORE	METALWOOD ENAMEL		1 GAL	8TH FL.
96	KRYLON	VARIOUS CANS OF AERESOL		1 CASE	8TH FL.
97	SOFT SET	TOP GUN ADHESIVE		4 Gal	8TH FL.
98	N/A	GASOLINE		4.5GAL	GROUND
99	E-Z	TURPINTINE		1 GAL	GROUND
100	EVERMARE	LATEX PAINT		1/2 GAL	GROUND
101	SHERWIN WILLIAMS	LATEX		5 GAL	GROUND
102	GAIDNER	ROOF CASTING		1/4 (GALLONS)	GROUND
103	GRACE	BUTHENE		5-1 galn cans	GROUND
104	E-Z	PAINT THINNER		1 GALLON	GROUND